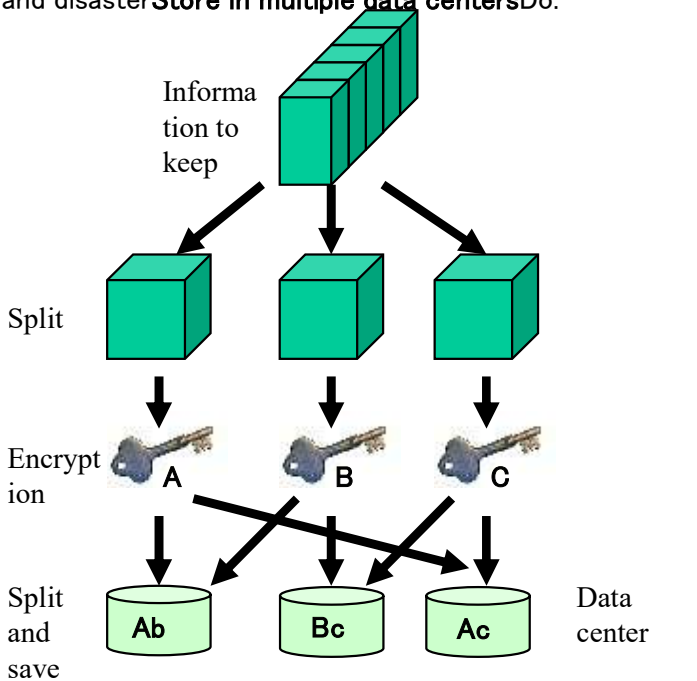
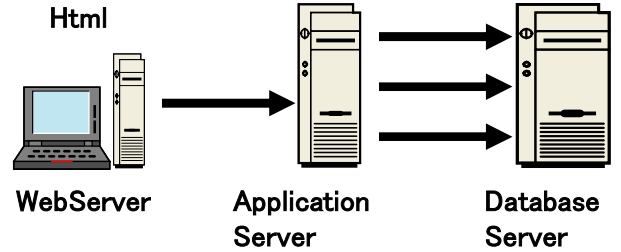


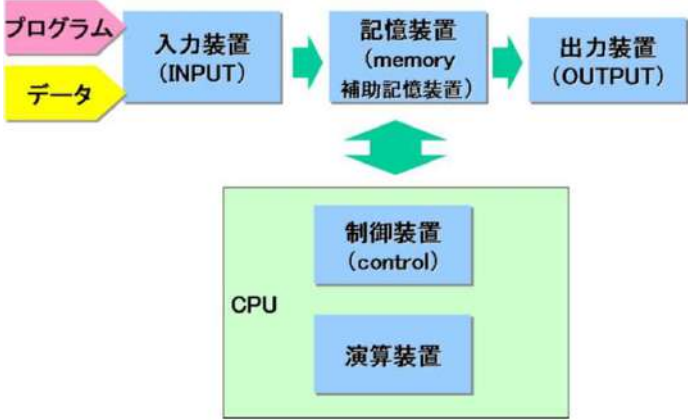



Invention Principle	<h2 style="margin: 0;">1. Segmentation (2divided into two or more)</h2>
Point	<p>「5. It is the opposite principle of “combination principle”. It is the one that the process is tried to be smooth by dividing the system into fine units. The level of division, primitive, consider up to the molecular level.</p>
Representative Illustrated Case	<p>As a risk countermeasure such as information leakage and disaster Store in multiple data centersDo.</p> 
Examples of use by scene	<p>〈ハードウェア〉 Multiple pistons of engines such as automobiles Multi-blade cartridge-type shaving The <a0>ItSoftware> Packet communication method Business and Daily Life> ・ SWOT (Strengths, Weaknesses, Opportunities, and Threats)Environmental analysis in</p>

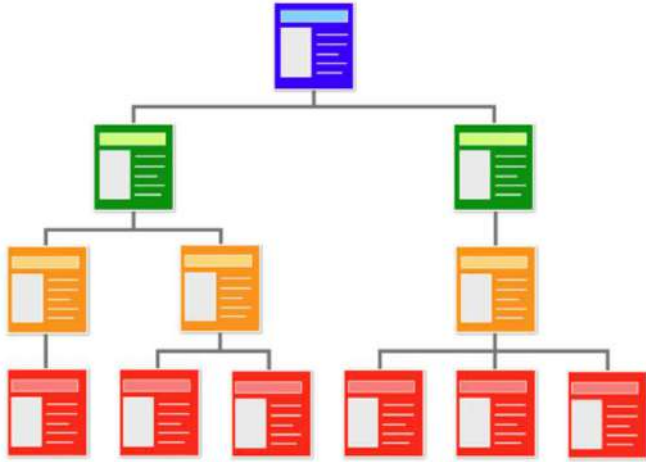
Invention Principle	<h2 style="margin: 0;">2. Taking out (transferred to another)</h2>
Point	<p>「5. It is the opposite principle of “combination principle”. It is an idea that only cancer cells are irradiated with radiation and separated from other cells.</p>
Representative Illustrated Case	<p>・WebThe system is distributed in three tiers each by improving the processing performance.</p> 
Examples of use by scene	<p>〈ハードウェア〉 Car airbags Non-smoking corner of the restaurant The <a0>ItSoftware> Allocate communication equipment for each frequency band Business and Daily Life> Advanced classes of preparatory schools</p>

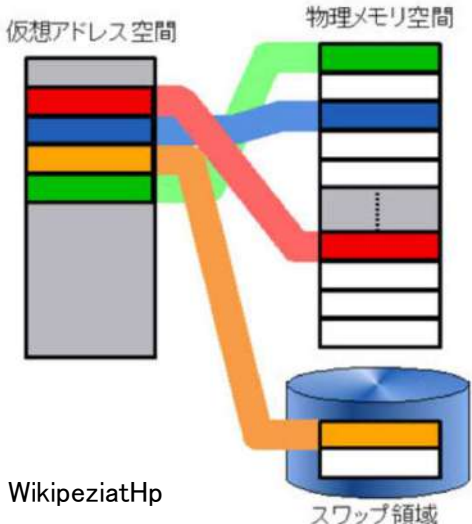
Invention Principle	3. Local Quality (partially changed)
Point	It is an idea to divide the suction opening of the vacuum cleaner according to the place to clean, such as for tatami, carpet, and narrow gap.
Representative Illustrated Case	<p>On the computer USB Terminal to enhance your hard disk or connect a printer or digital camera. Use a portion effectively</p>  <p>The diagram shows a laptop on the right connected to a central USB hub labeled 'USBハブ'. A purple external hard drive labeled 'USB対応 外付けハードディスク' is connected to the hub on the left. Other ports on the hub are labeled '他のUSB機器に接続' (connected to other USB devices).</p>
Examples of use by scene	<p><ハードウェア> Surface treatment/coating Freezer compartment in the refrigerator The <a0>ItSoftware> Use of independent keyboard dedicated to numbers of PC keyboard Shared development system equipment for software development Business and Daily Life> Niche strategies and target marketing focused on customer base</p>

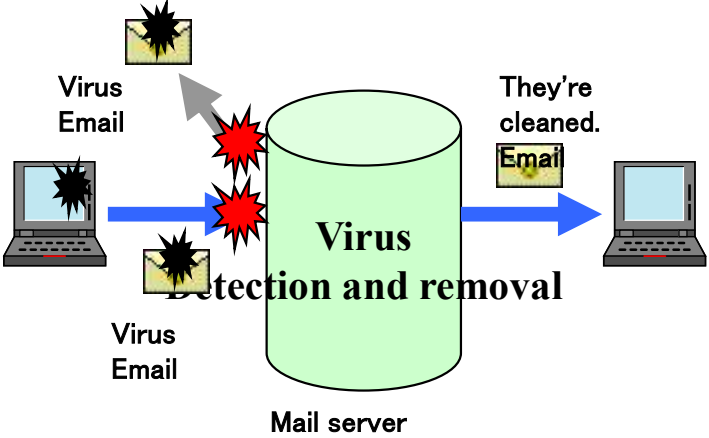
Invention Principle	4. Asymmetric (deforming, bakayoke)
Point	Designed asymmetrically to make beauty and work easier.
Representative Illustrated Case	<p>To prevent accidental insertion (fail-safe) Designed to be asymmetric personal computers, etc. Connectors</p>  <p>The image shows two connectors on a metal panel. The top connector is a 9-pin D-sub connector with a specific pin arrangement. The bottom connector is a 15-pin D-sub connector. The top connector is labeled '2' and the bottom one is labeled '1'.</p>
Examples of use by scene	<p><ハードウェア> Key Ruler with multiple different measurement scales The <a0>ItSoftware> Exception handling test of system test Business and Daily Life> • Right-handed, left-handed gloves</p>


Invention Principle	<h2 style="margin: 0;">5. Merging (combining/binding)</h2>
Point	<p>1. Division principle, 2. It is the opposite of the separation principle. The combination of the highlighter with fine character and bold is so.</p>
Representative Illustrated Case	<p>Computer, Basic5Combination of functions It is made of.</p> 
Examples of use by scene	<p><ハードウェア> Multicolor ink cartridge Cell production method The <a0>ItSoftware • CAD/CAM Integration of design and manufacturing data with the introduction of Connect many personal computers over a network Business and Daily Life> Synergy effect</p>

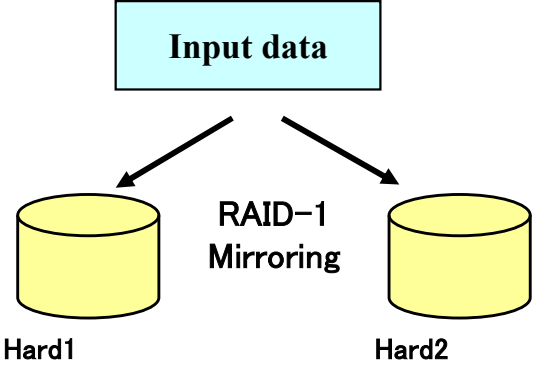
Invention Principle	<h2 style="margin: 0;">6. Versatility (diversion)</h2>
Point	<p>It is the idea of two birds with one stone. It is often found in multi-functional products of home appliances.</p>
Representative Illustrated Case	<p>• Mobile phone In addition to the speaking function of TV Watching, to add functions such as digital camera shoc</p>  <p style="text-align: center;">Source: Sharp CorporationHp</p>
Examples of use by scene	<p><ハードウェア> • Shabo (ballpoint pen and mechanical pencil) Microwave with grill The <a0>ItSoftware Object-oriented design Common environment for multilingual software development Business and Daily Life> Share the office desk at the free address desk</p>

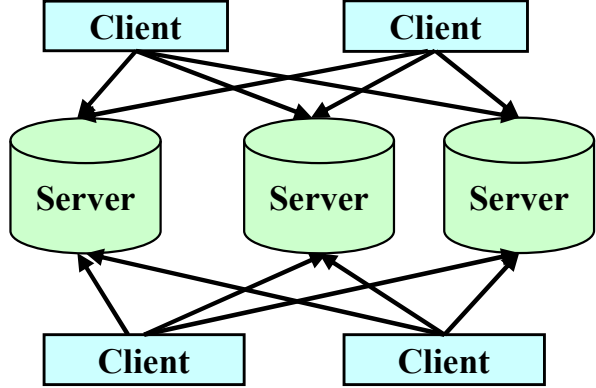
Invention Principle	<h2 style="margin: 0;">7. Nested Doll (layering)</h2>
Point	<p>I put the doll in many stages in the doll. Russian Doll (Matryoshka) is a typical image.</p>
Representative Illustrated Case	<p>• Link multi-tiered The web that was overhanging</p> 
Examples of use by scene	<p><ハードウェア></p> <ul style="list-style-type: none"> • Cash dispensers set up in the bank Retractable antenna The <a0>ItSoftware</a0> • Opening of private shops using internet malls Business and Daily Life> • Set up specialty stores in department stores and other stores

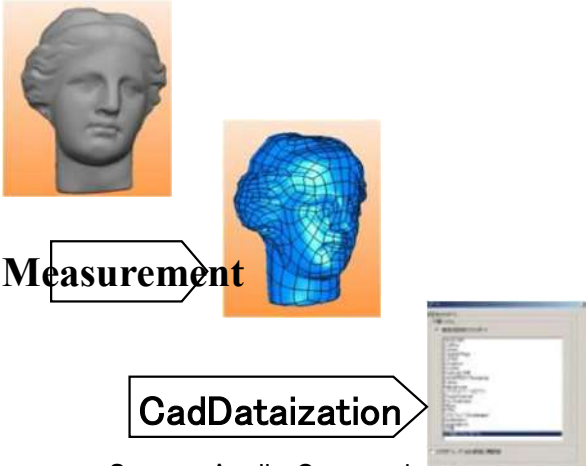
Invention Principle	<h2 style="margin: 0;">8. Anti-weight (unity)</h2>
Point	<p>A balance scale is a typical case. In addition, airships, unlike the lift of airplanes, are statically buoyant using gas that is lighter than air.</p>
Representative Illustrated Case	<p>Utilizing cache memory and free space on the hard disk Virtual storage to compensate for out-of-capacity</p>  <p>Source: Wikipediathp</p>
Examples of use by scene	<p><ハードウェア></p> <ul style="list-style-type: none"> • Car tires Hot air balloon, Airplanes and Hydrofoter Principle of operation of the ship The <a0>ItSoftware</a0> User interface to make computers easier to handle Encourage customers to understand with error messages in the case of trouble Business and Daily Life> Breakeven point


Invention Principle	<h2 style="margin: 0;">9. Preliminary anti-action (Offset the defect)</h2>
Point	<p>It is an idea to pluck the bud of the problem beforehand before the problem occurs.</p>
Representative Illustrated Case	<p>Virus Prevent infection for Internal system of virus detection and removal software</p> 
Examples of use by scene	<p><ハードウェア> Anti-vibration measures against tire wheels of automobiles Withering process to reduce the internal distortion of castings The <a0>ItSoftware> Software design bug issue Risk management to think in advance at the time of system development plan Business and Daily Life> Socks subjected to antibacterial processing, Fabric with shrink-proof</p>

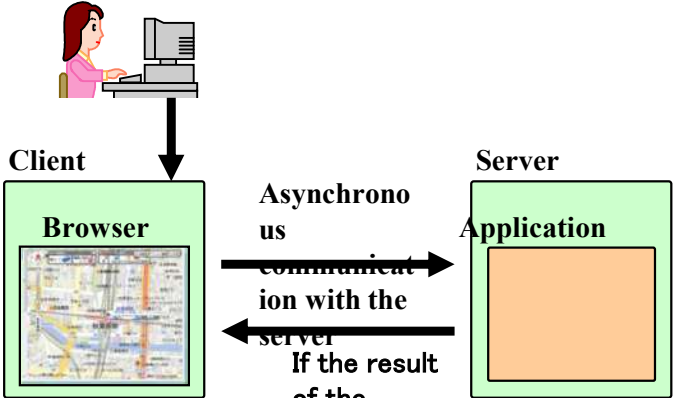
Invention Principle	<h2 style="margin: 0;">10. Preliminary Action (Prepare in advance what you need to do.)</h2>
Point	<p>Previously subjected to the action, such as operation in advance, it is an idea to smoothly execute a predetermined function. Reservations and timers are equivalent to this.</p>
Representative Illustrated Case	<p>・RoI</p> <ol style="list-style-type: none"> ① ホームページを表示 ② ページの情報がパソコンに保存される ③ もう一度同じページを見るとときにパソコンに保存した情報を利用  <p style="text-align: right;">Source: MicrosoftHp</p>
Examples of use by scene	<p><ハードウェア> Cut of the cast to make it easy to remove ・Subassembly of production lines The <a0>ItSoftware> ・CaeSimulation design by ・Clarifies customer requirements prior to software development Business and Daily Life> Envelopes with glue applied in advance</p>


Invention Principle	<h2 style="margin: 0;">11. Beforehand cushioning</h2> <p style="margin: 0;">(Think about backup/risk)</p>
Point	It is the idea of the risk countermeasure considering the worst case.
Representative Illustrated Case	<p>• Mirroring to duplicate the data. Save to another location in real time to do. Typically, when recording to a hard disk, 2 Provide more than one disk and write the same data to all disks to increase reliability.</p> <div style="text-align: center;">  <p>The diagram shows a box labeled 'Input data' at the top. Two arrows point downwards from this box to two yellow cylindrical icons representing hard drives. The left drive is labeled 'Hard1' and the right drive is labeled 'Hard2'. Between the two drives, the text 'RAID-1 Mirroring' is written.</p> </div>
Examples of use by scene	<p>〈ハードウェア〉</p> <ul style="list-style-type: none"> • Spare tire Air oxygen inhaler <p>The 〈a0〉ItSoftware〉</p> <ul style="list-style-type: none"> Dual system for disaster response Business and Daily Life〉 Contingency plan (emergency response plan)


Invention Principle	<h2 style="margin: 0;">12. Equipotentiality</h2> <p style="margin: 0;">(Preservation/potential of power and energy)</p>
Point	It shows something like a spring-supported parts supply system in a factory. The spring expands and contracts according to the weight of the part, always supplying the part at a constant height. The delivery device of the tray of the dining room is the same idea.
Representative Illustrated Case	<p>Depending on the number of access on the Internet, Distributed deployment of servers Let's Load optimization try to</p> <div style="text-align: center;">  <p>The diagram shows a network topology. At the top, there are two light blue rectangular boxes labeled 'Client'. At the bottom, there are two light blue rectangular boxes labeled 'Client'. In the middle, there are three light green cylindrical icons labeled 'Server'. Arrows indicate connections from each of the top clients to each of the three servers, and from each of the bottom clients to each of the three servers.</p> </div>
Examples of use by scene	<p>〈ハードウェア〉</p> <ul style="list-style-type: none"> To avoid raising the cara hole in which a mechanic enters a repair shop • the sluice gate of a canal that aligns the height of a ship <p>The 〈a0〉ItSoftware〉</p> <ul style="list-style-type: none"> Set the disk space of temporary Internet files Business and Daily Life〉 Understand investment balance through portfolio analysis


Invention Principle	<h2 style="margin: 0;">13. The Other way round (vice versa)</h2>
Point	<p>It is an idea to carry out the opposite of a conventional idea. It is a principle with a high frequency of utilization.</p>
Representative Illustrated Case	<p>Three-dimensional measurement from actual products and mock-ups, CadThey make dataReverse engineering</p> <div style="text-align: center;">  <p style="font-size: 24px; font-weight: bold; margin: 0;">Measurement</p> <p style="font-size: 24px; font-weight: bold; margin: 0;">CadDataization</p> <p style="font-size: 12px; margin: 0;">Source: Apollo CorporationHp</p> </div>
Examples of use by scene	<p><ハードウェア></p> <ul style="list-style-type: none"> • Shot peening blowing a hard ball Metal parts subjected to Potter's wheel for ceramics <p>The <a0>ItSoftware></p> <p>Relationship between classification and search in file management</p> <p>Business and Daily Life></p> <p>Do not apply the drug, apply the medicine to the feed of termites</p>


Invention Principle	<h2 style="margin: 0;">14. Sphericity-Curvature (three-dimensional)</h2>
Point	<p>It is an idea to encourage three-dimensional ideas from straight lines and planar ideas.</p>
Representative Illustrated Case	<p>• 3DPrinter And now Free-curved surface Three-dimensional figure can be produced of</p> <div style="text-align: center;">  <p style="font-size: 12px; margin: 0;">Source: social_design_net HP</p> </div>
Examples of use by scene	<p><ハードウェア></p> <p>The roof of the Tokyo Dome</p> <ul style="list-style-type: none"> • Liquid coating device using centrifugal force (spin coater) <p>The <a0>ItSoftware></p> <p>Draw a curve with the mouse of the personal computer</p> <ul style="list-style-type: none"> • Windows OS of Vista 3D of Gui <p>Business and Daily Life></p> <ul style="list-style-type: none"> • Google Earth Three-dimensional map of


Invention Principle	<h2 style="margin: 0;">15. Dynamics (Process flexibly)</h2>
Point	To make things easy to move. Increase the degree of freedom.
Representative Illustrated Case	<p>• Ajax (Dynamic HTML Technology dynamically update only the necessary parts of the page) to update map information, etc.</p> <p style="text-align: center;">Ajax</p>  <p style="text-align: center;"> Client Server </p> <p style="text-align: center;"> Browser Application </p> <p style="text-align: center;"> Dynamic HTML Redraw page in If the result of the process is a <a0>XML response in the form of such </p>
Examples of use by scene	<p><ハードウェア> Shape memory alloy / form stable fiber (shirt) Foldable storage mobile phone / notebook Pc The <a0>ItSoftware> Fault-aware duplex system • Document viewing software Pdf Automatic magnification display function Business and Daily Life> Folding umbrella</p>

Invention Principle	<h2 style="margin: 0;">16. Partial or excessive actions (roughly speaking)</h2>
Point	<p>From the beginning 100% Instead of aiming at 90%, 95% As stated It is an idea that it works well if it thinks about it.</p>
Representative Illustrated Case	<p>Express ambiguity in a membership function Fuzzy theory (Using fuzzy control) Yurikamome Brake System</p>  <p style="text-align: center;">Yurikamome</p>
Examples of use by scene	<p><ハードウェア> Rough cutting by machining" finishing after processing Masking tape to peel off excess paint at the time of paint application The <a0>ItSoftware> Fuzzy search Business and Daily Life> • Problem solving in order of frequency</p>

Invention Principle	<h2 style="margin: 0;">17. Another Dimension (Change three-dimensionally/multifaceted)</h2>
Point	<p>Number by making a multi-layered film into a combined window glass10It refers to the idea of increasing the crime prevention function by having twice the strength.</p>
Representative Illustrated Case	<ul style="list-style-type: none"> ▪ GpsMap usingNAVI SystemDisplay map layers, shop layers, etc.  <p style="text-align: center;">©NAVITIME JAPAN 地図:昭文社/住友電工</p>
Examples of use by scene	<p><ハードウェア></p> <ul style="list-style-type: none"> ▪ Printed circuit board with electronic components mounted on both sides ▪ Spiral telephone lines <p>The <a0>ItSoftware></p> <ul style="list-style-type: none"> ▪ WebView by hierarchy <p>Business and Daily Life></p> <p>Okamochi that can transport rice bowls for delivery to multiple layers</p>

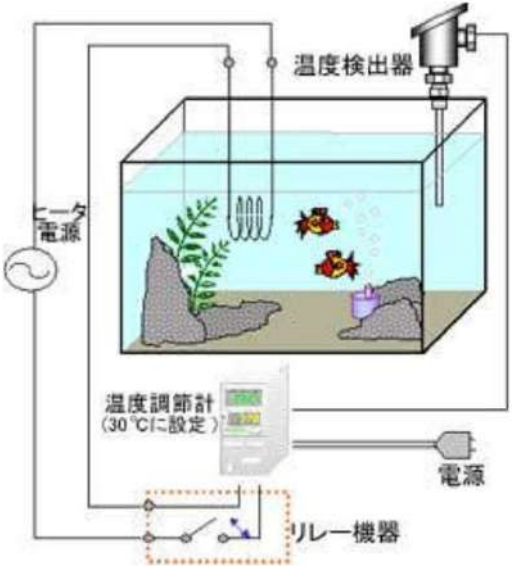
Invention Principle	<h2 style="margin: 0;">18.Mechanical vibration (stimulating)</h2>
Point	<p>Mainly, it is an idea to utilize mechanical vibrations such as ultrasound.</p>
Representative Illustrated Case	<p>Used for watch and camera autofocus drive mechanism, etc</p>  <p style="text-align: center;">Source: Ultrasonic Motor Liaison AssociationHp</p>
Examples of use by scene	<p><ハードウェア></p> <ul style="list-style-type: none"> Ultrasonic cleaning Crystal)Oscillator drives watch <p>The <a0>ItSoftware></p> <ul style="list-style-type: none"> Program load test <ul style="list-style-type: none"> ▪ Guito display a warning message by vibrating <p>Business and Daily Life></p> <p>Ballpoint pen with a relaxing effect with a built-in small motor</p>

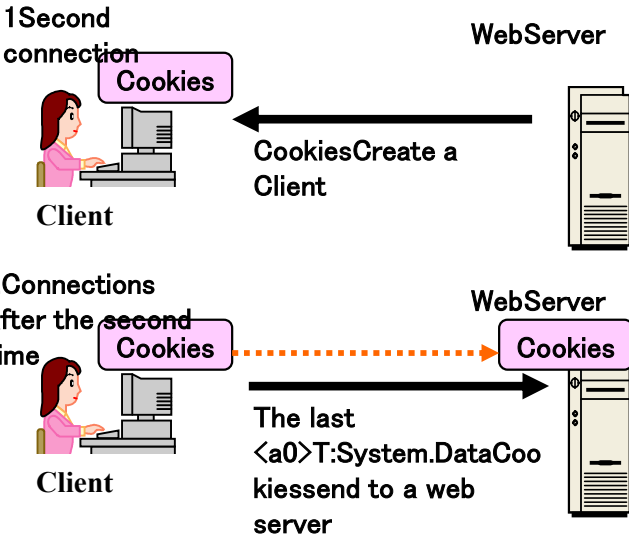
Invention Principle	<h2 style="margin: 0;">19. Periodic Action (giving rhythm)</h2>
Point	<p>In the example of walking, it is not fun to walk in a constant rhythm (cycle). You can think of it as a fast walk, a slow walk, or a skip.</p>
Representative Illustrated Case	<p>Water-hall type, compared to the development method of the prototyping type, etc., Agile Development the Meeting with customers on a regular basis easy to incorporate customer requests and respond to changes in the environment.</p> <p style="text-align: center;">アジャイル開発</p>  <p style="text-align: center;">従来型の開発</p> <p style="text-align: center;">開発期間</p>
Examples of use by scene	<p><ハードウェア> Massage chair with variable periodic operation Water whirlpool using pulsating water flow The <a0>ItSoftware> Virus scanning program operation settings Design review of system design scheduling Business and Daily Life> Route sales</p>


Invention Principle	<h2 style="margin: 0;">20. Continuity of useful action (waste-eliminating)</h2>
Point	<p>It is an idea to automatically supply materials wrapped in a roll shape and "Izumi car" used to make the rotational speed constant.</p>
Representative Illustrated Case	<ul style="list-style-type: none"> • For airplanes Wifi from communications satellites, and anywhere in the world. Continuous communication Possible  <p style="text-align: right;">Source: NikkeiBpCompany Hp</p>
Examples of use by scene	<p><ハードウェア> Cardiac pacemaker Rotary index table of automatic assembly machine The <a0>ItSoftware> • WebChat system Business and Daily Life> • Instant adhesive</p>

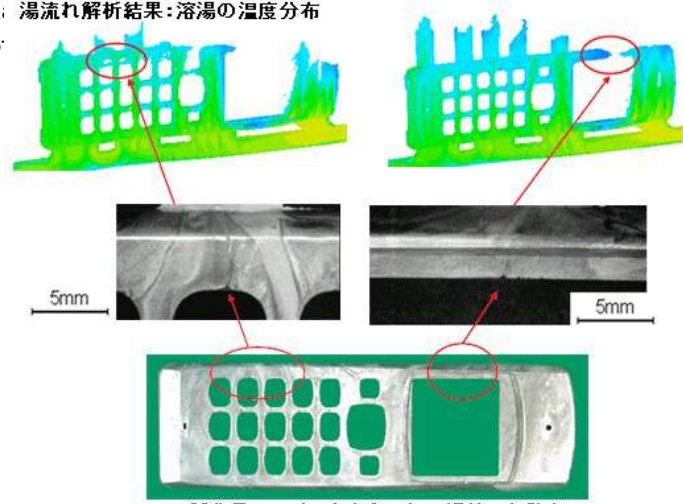
Invention Principle	<h2 style="text-align: center;">21. Skipping</h2> <p style="text-align: center;">(processing instantaneously)</p>																												
Point	<p>Such as soft foods such as bread and rice balls, but will deform when cut slowly, if cut at high speed, it can be cut cleanly without deformation.</p>																												
Representative Illustrated Case	<p>• Big Data stream data processing enables the <a0>T:System.Web.UI.WebControls.SqlProcess</p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <p style="text-align: center; background-color: #4F81BD; color: white; padding: 2px;">従来 [ストック型]</p> <p style="text-align: center; background-color: #4F81BD; color: white; padding: 2px;">データをDBに格納し、 後で一括処理を行う</p> <p style="text-align: center; background-color: #4F81BD; color: white; padding: 2px;">一括処理</p> <p style="text-align: center; background-color: #4F81BD; color: white; padding: 2px;">クエリ発行時に 全データを見て 全結果を抽出</p> <div style="display: flex; align-items: center;"> <table border="1" style="font-size: 8px; margin-right: 10px;"> <tr><td>id</td><td>val</td></tr> <tr><td>a</td><td>1</td></tr> <tr><td>b</td><td>2</td></tr> <tr><td>a</td><td>3</td></tr> <tr><td>b</td><td>4</td></tr> <tr><td>a</td><td>5</td></tr> <tr><td>a</td><td>6</td></tr> </table> </div> </div> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <p style="text-align: center; background-color: #4F81BD; color: white; padding: 2px;">ストリームデータ処理 [フロー型]</p> <p style="text-align: center; background-color: #4F81BD; color: white; padding: 2px;">データの発生に都度、 継続的に処理を実行</p> <p style="text-align: center; background-color: #4F81BD; color: white; padding: 2px;">差分処理</p> <p style="text-align: center; background-color: #4F81BD; color: white; padding: 2px;">データ到着時に そのデータを見て 関係する処理のみを実行</p> <div style="display: flex; align-items: center;"> <table border="1" style="font-size: 8px; margin-right: 10px;"> <tr><td>id</td><td>val</td></tr> <tr><td>a</td><td>1</td></tr> <tr><td>b</td><td>2</td></tr> <tr><td>a</td><td>3</td></tr> <tr><td>b</td><td>4</td></tr> <tr><td>a</td><td>5</td></tr> <tr><td>a</td><td>6</td></tr> </table> </div> </div> </div> <p style="text-align: center; margin-top: 10px;">Source: Hitachi HP</p>	id	val	a	1	b	2	a	3	b	4	a	5	a	6	id	val	a	1	b	2	a	3	b	4	a	5	a	6
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Examples of use by scene	<p><ハードウェア> Impact molding to mold aluminum, etc. into the final shape in one shot High-temperature high-speed sterilization of foods such as milk The <a0>ItSoftware> Image compression technology Flash memory Business and Daily Life> Online product management system</p>																												

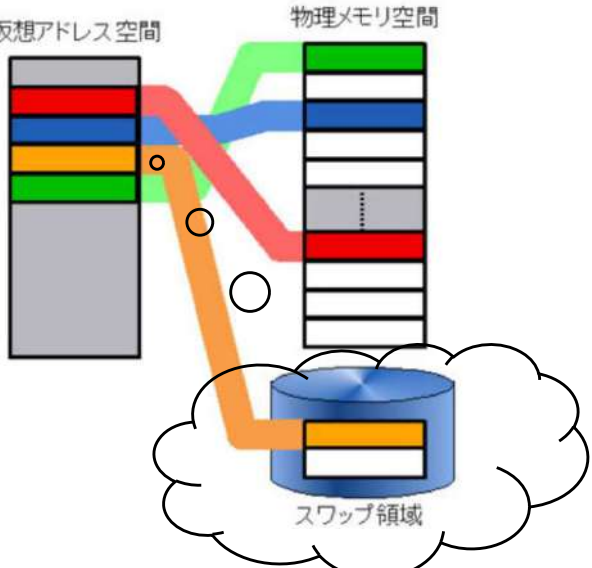
Invention Principle	<h2 style="text-align: center;">22. Music in diaspora</h2> <p style="text-align: center;">(Finally get the effect, reverse)</p>
Point	<p>It is an idea to control the poison with the poison such as using the vaccine which is poison to the vaccination or the use of nitrite as the medicine of the heart disease.</p>
Representative Illustrated Case	<p>File storage Virtualization technology (Effective use of excess compute)</p> <div style="text-align: center; margin-top: 20px;"> </div>
Examples of use by scene	<p><ハードウェア> Coordination (Power generation using waste heat) Extinguishing method by dynamite of oil field (by blast) The <a0>ItSoftware> Security measures to prevent hacking Insurance for data recovery contracted after a disaster Business and Daily Life> Post-it of weak adhesion</p>

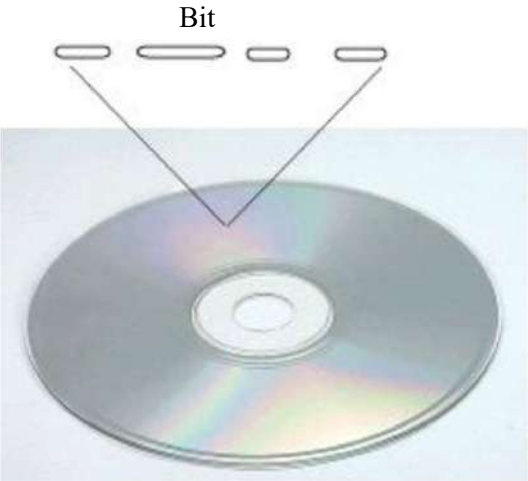
Invention Principle	23. Feedback (Confirm/Review)
Point	To detect whether high or low relative to the reference value, it is to control so as to approach the reference value.
Representative Illustrated Case	<p>• Temperature feedback control of aquarium Case study of</p>  <p>Source: YamatakeHp</p>
Examples of use by scene	<p><ハードウェア> Closed loop system using servo motor Thermostat The <a0>ItSoftware> Spiral model of system development design Business and Daily Life> Feedback of personnel evaluation results to the person in question in human resource development measures</p>


Invention Principle	24. Intermediary (ties)
Point	Real estate agents and marriage counseling centers looking for marriage partners are also equivalent to this principle.
Representative Illustrated Case	<p>• Cookie Temporarily write data to and save it to</p>  <p>1 Second connection Client ← Cookies Create a Client WebServer</p> <p>2 Connections after the second time Client → Cookies WebServer The last <a0>T:System.DataCookies send to a web server</p>
Examples of use by scene	<p><ハードウェア> Kitchen gloves and pot covering Catalysts used for chemical reactions The <a0>ItSoftware> Personal computer user interfaceGui Internet providers Business and Daily Life> Internet auction</p>


Invention Principle	25. Self-service (To run automatically)
Point	The idea is that you can automatically achieve the function you want. Self-X. and become the same idea.
Representative Illustrated Case	<p>•Windows If you set it,Software automatically updatesBe.</p> 
Examples of use by scene	<p><ハードウェア> Automatic centering mechanical pencil Cogeneration (power generation using waste heat) The <a0>ItSoftware</a0> Automatic saving function of word processing Business and Daily Life> Automatic card billing system</p>




Invention Principle	26. Copying (copy)
Point	Instead of seeing the actual scenery and people, sending photos and images is what it means.
Representative Illustrated Case	<p>•Instead of prototyping, the <湯流れ解析結果:浴湯の温度分布 o</p>  <p>試作品の写真:赤丸印し部は湯境い欠陥部</p> <p>Source: Hitachi, Ltd.Hp</p>
Examples of use by scene	<p><ハードウェア> Artificial grass, training simulator for automobiles and aircraft Mock-up to be used for design The <a0>ItSoftware</a0> •Mirroring disks to protect against data loss and damage Virtual design Business and Daily Life> •VtrTraining by</p>

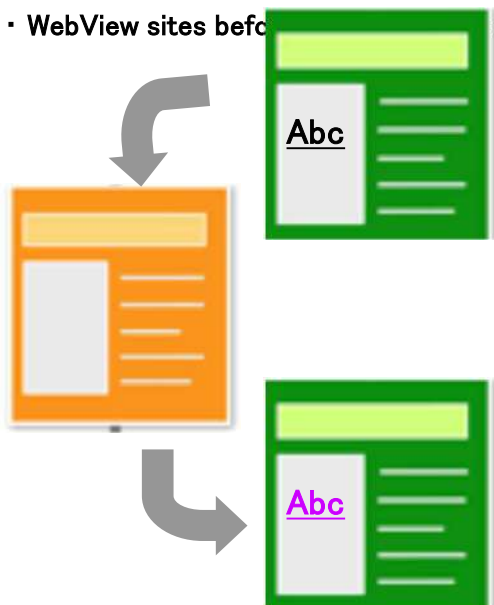
Invention Principle	<h2 style="text-align: center;">27. Cheap short-living Objects (free wear)</h2>
Point	<p>Disposable Cairo, disposable cameras, paper diapers, etc. are examples of typical ideas.</p>
Representative Illustrated Case	<p>・Virt</p>  <p style="text-align: center;">Virtual storage on the hard disk</p>
Examples of use by scene	<p><ハードウェア> Tools coated with industrial diamonds Match/Disposable chopsticks/Spoon The <a0>ItSoftware> InternetIdUse of free e-mail address as Effective use of freeware and shiairwear Business and Daily Life> 100Yen Shop Products</p>

Invention Principle	<h2 style="text-align: center;">28. Mechanics substitution/ Another Sense (Change the place)</h2>
Point	<p>It replaces the conventional mechanical system with other methods, a method that has come to be applied a lot to recent home appliances.</p>
Representative Illustrated Case	<p>Using laser light from conventional needle-type recordsCd、MdSuch asOptical disc</p> 
Examples of use by scene	<p><ハードウェア> Magnetic bearings <ul style="list-style-type: none"> ▪ Mri (Magnetic resonance imaging) inspection The <a0>ItSoftware> SecurityIdfingerprints, retina, veins as Business and Daily Life> <ul style="list-style-type: none"> ▪ IhRice cooker </p>

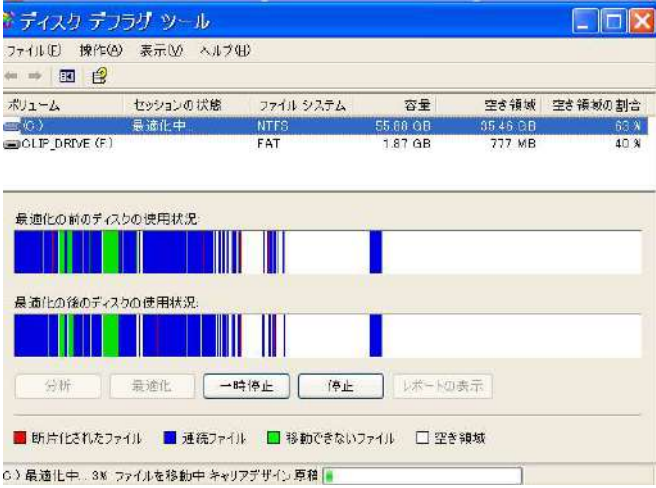
Invention Principle	29. Pneumatics and Hydraulics (soften)
Point	The idea is to replace and use pneumatic, hydraulic, or other gases and liquids.
Representative Illustrated Case	<p>Using liquidWater-cooledCpuCooler</p>  <p>Source: Cythe Company products Hp</p>
Examples of use by scene	<p><ハードウェア> Air bearings Air curtain / Dome Stadium The <a0>ItSoftware> •Data streamingAndReal-time multimedia playback Use fluid to cool your PC Business and Daily Life> Underwater rehabilitation</p>

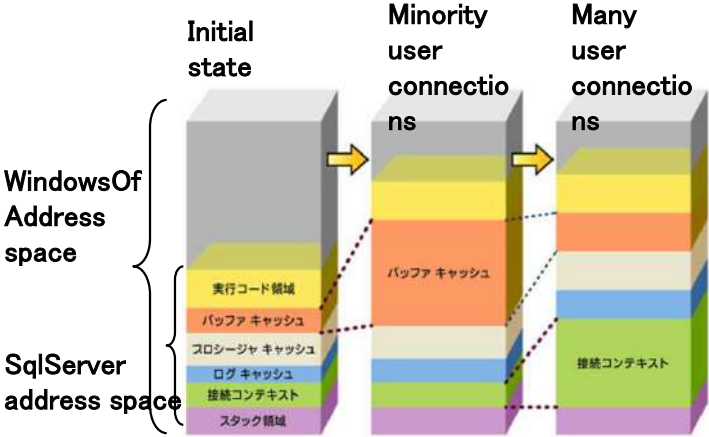
Invention Principle	30. Flexible Shells and thin films (separating from harm)
Point	It is an idea such as replacing the coating with a film, or film processing to prevent the strength and ultraviolet rays of the glass (separated from harm). It is also this idea to remove impurities in the filtration membrane.
Representative Illustrated Case	<p>Thin films are combinedFolding display</p>  <p>Source: Sony Corporation Hp</p>
Examples of use by scene	<p><ハードウェア> Laminate processing Film to remove harmful substances of water purifiers The <a0>ItSoftware> Sensor network for suspicious person crime prevention Business and Daily Life> Tea bags of tea and Japanese tea</p>

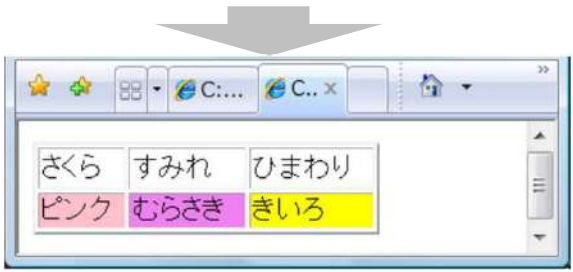
Invention Principle	<h2 style="margin: 0;">31. Porous Materials (Using Skima)</h2>
Point	<p>Sponge, disposable diapers, etc. The idea is to add the necessary gases and fluids to porous materials.</p>
Representative Illustrated Case	<p>Using the gap of the television transmission method of sending</p> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 10px;">主</div>  </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 10px;">副</div>  </div> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 10px;">主・副</div>  </div> </div> <p style="text-align: center;">Source: OCN HP</p>
Examples of use by scene	<p><ハードウェア> Punching metal to reduce the weight of the product Sponge to wash the body The <a0>ItSoftware</a0> Data communication using the skimme of the frequency band such as radio waves ・TcpPort allocation Business and Daily Life> Acquisition acquisition learning using the gap between work</p>


Invention Principle	<h2 style="margin: 0;">32. Worser Changes (changing color)</h2>
Point	<p>Dimming glass for cutting sunglasses and ultraviolet rays in automobiles is exactly the idea of this principle.</p>
Representative Illustrated Case	<p>WebView sites before in design</p> <div style="display: flex; flex-direction: column; align-items: center;">  <div style="display: flex; justify-content: space-between; width: 100%; margin-top: 10px;"> <div style="text-align: right; color: black;"> <p>Before the visit</p> </div> <div style="text-align: left; color: magenta;"> <p>After the visit Site name color changes</p> </div> </div> </div>
Examples of use by scene	<p><ハードウェア> Camouflage clothing Transparent bandage The <a0>ItSoftware</a0> ・WebBrowser color scheme settings Business and Daily Life> Change the color of your uniforms in soccer and judo matches</p>

Invention Principle	<h2 style="margin: 0;">33. Homogeneity (matching quality)</h2>											
Point	<p>Ice is used to make it cold water, and when it melts, it becomes water. It is an idea to replace such homogeneous or identical materials.</p>											
Representative Illustrated Case	<p>• Domain classification for Internet addresses</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td rowspan="4" style="text-align: center; vertical-align: middle;">Attribute domain</td> <td style="text-align: center;">.co.jp</td> </tr> <tr> <td style="text-align: center;">.or.jp</td> </tr> <tr> <td style="text-align: center;">.ne.jp</td> </tr> <tr> <td style="text-align: center;">.gr.jp</td> </tr> <tr> <td style="text-align: center;">Generic domain</td> <td style="text-align: center;">.jp</td> </tr> <tr> <td rowspan="3" style="text-align: center; vertical-align: middle;">.comDomain</td> <td style="text-align: center;">.com</td> </tr> <tr> <td style="text-align: center;">.net</td> </tr> <tr> <td style="text-align: center;">.org</td> </tr> </table>	Attribute domain	.co.jp	.or.jp	.ne.jp	.gr.jp	Generic domain	.jp	.comDomain	.com	.net	.org
Attribute domain	.co.jp											
	.or.jp											
	.ne.jp											
	.gr.jp											
Generic domain	.jp											
.comDomain	.com											
	.net											
	.org											
Examples of use by scene	<p><ハードウェア> Friction welding without different materials Ice water The <a0>ItSoftware> •Windows andMacOfOsApplication software for Business and Daily Life> All-aluminum of canned beverages as a separate treatment correspondence</p>											

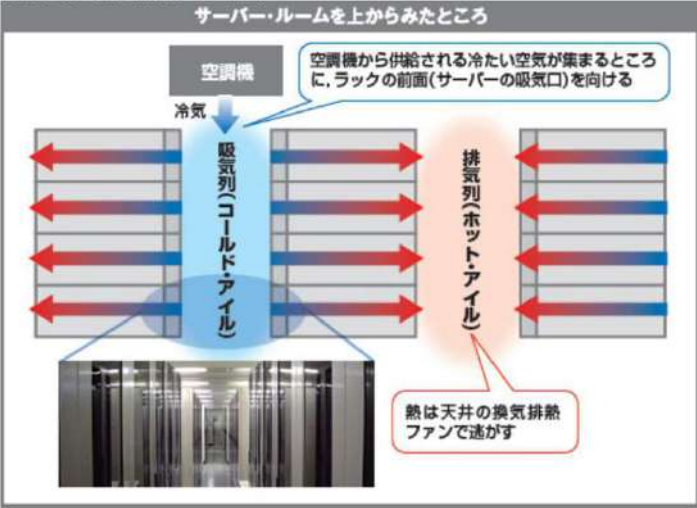
Invention Principle	<h2 style="margin: 0;">34. Discarding and recovering (automatic repair)</h2>
Point	<p>In a simple example, stationeryEraserfunction and the basic idea of recycling.</p>
Representative Illustrated Case	<p>• On the disk of the computerDefragmentation feature</p> 
Examples of use by scene	<p><ハードウェア> Capsules of medicine Containers of biodegradable materials The <a0>ItSoftware> Overwrite function to unnecessary memory Business and Daily Life> Recovery of scars on human skin</p>


Invention Principle	35. Parameter changes (change percentage)
Point	What changes the shape and conditions becomes this idea.
Representative Illustrated Case	<p>• Dynamic memory management Then, the percentage of resources used is changed according to the condition.</p>  <p>The diagram illustrates the transition of memory usage between Windows and SQL Server address spaces under three conditions: Initial state, Minority user connections, and Many user connections. In the initial state, the Windows address space (top) is large, containing execution code, buffers, and caches, while the SQL Server address space (bottom) is small. As user connections increase, the Windows address space shrinks, and the SQL Server address space grows, eventually occupying most of the memory.</p>
Examples of use by scene	<p><ハードウェア> Dry ice/Liquid oxygen/Concentrated juice Pressure cooker The <a0>ItSoftware> Percentage of hard disk space for each drive of the PC Image compression ratio setting Business and Daily Life> Portfolio used for stock trading</p>

Invention Principle	36. Phase transitions (diversion/conversion)
Point	Shape memory alloy that changes shape by heat is also the idea of this phase change.
Representative Illustrated Case	<p>• HTML From Web Convert to browser</p> <pre data-bbox="1411 446 1982 821"> <table border="1" width="250" > <tr> td height="30" >Sakura</td> <td>Sumire</td> <td>Sunflower</td> </tr><tr> td bgcolor="pink" >Pink</td> td bgcolor="violet">Purple</td> td bgcolor="yellow">Yellow</td> </tr></table> </pre>  <p>The screenshot shows a browser window with a table of names and colors. The text is displayed in Japanese characters with corresponding colors: Sakura (pink), Sumire (purple), Sunflower (yellow), Pink (pink), Purple (purple), and Yellow (yellow).</p>
Examples of use by scene	<p><ハードウェア> Mercury thermometer Bubble jet printer in which liquid boils and injects at temperature The <a0>ItSoftware> Automatic translation software Business and Daily Life> • Education system by hierarchy</p>

Invention Principle	37. Thermal expansion (spread)
Point	As a familiar existence, thermostats such as electric kotatsu, miscellaneous goods, heat shrink packaging such as food, is the idea that utilizes thermal expansion.
Representative Illustrated Case	<p>• UsbPortPcPlug the graphics card, sound card, network card, etc. into the card slot, the memory card slot</p>  <p>Source: IT+PLUS HP</p>
Examples of use by scene	<p><ハードウェア> Shape memory alloy Bimetal used in thermostats The <a0>ItSoftware</a0> Global standard software Business and Daily Life> Advertising using the mass media, etc.</p>

Invention Principle	38. Strong oxidants (To increase the added value)																		
Point	In a familiar example, or injected oxygen by mouth transfer by artificial respiration, it is the idea of sucking oxygen to fatigue recovery.																		
Representative Illustrated Case	<p>• Windows OS High functionality</p> <table border="1" data-bbox="1447 488 2011 999"> <tbody> <tr> <td>1985</td> <td>Windows 1.0</td> </tr> <tr> <td>1993</td> <td>Windows 1.0</td> </tr> <tr> <td>1995</td> <td>Windows 95</td> </tr> <tr> <td>1998</td> <td>Windows 98</td> </tr> <tr> <td>2000</td> <td>Windows Me 2000</td> </tr> <tr> <td>2001</td> <td>Windows xp</td> </tr> <tr> <td>2003</td> <td>Windows Server 2003</td> </tr> <tr> <td>2007</td> <td>Windows VISTA</td> </tr> <tr> <td>2010</td> <td>Windows 7</td> </tr> </tbody> </table>	1985	Windows 1.0	1993	Windows 1.0	1995	Windows 95	1998	Windows 98	2000	Windows Me 2000	2001	Windows xp	2003	Windows Server 2003	2007	Windows VISTA	2010	Windows 7
1985	Windows 1.0																		
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2001	Windows xp																		
2003	Windows Server 2003																		
2007	Windows VISTA																		
2010	Windows 7																		
Examples of use by scene	<p><ハードウェア> Pure oxygen is used for high-temperature welding Use ozone to remove contaminants The <a0>ItSoftware</a0> Improve response time Software version up Business and Daily Life> Launch a luxury brand</p>																		

Invention Principle	<h2 style="margin: 0;">39. Inert atmosphere (Stabilized)</h2>
Point	<p>Argon gas, by encapsulating in a light bulb, is the idea to prevent deterioration of the heated metal filaments.</p>
Representative Illustrated Case	<p>・Stabilizing the air conditioning of the server room In order to make Exhaust and intake rows are provided to control the flow of air.</p>  <p style="text-align: center;">Source: ItPro Hp</p>
Examples of use by scene	<p><ハードウェア> Inert gas welding (MIG)Welding) Nitrogen gas fire extinguisher The <a0>ItSoftware Virus vaccine software Business and Daily Life> Strengthen internal control (compliance)</p>

Invention Principle	<h2 style="margin: 0;">40. Composite Materials (bonding/mixing)</h2>
Point	<p>The composite shaft of the golf club is lightweight, high flexibility in the axial direction, and the idea of using a composite material to provide a high strength against twisting.</p>
Representative Illustrated Case	<p>・e-mail, documents, music, etc.Combine different data into the cloud (data center)users can easily take it out anywhere a</p> 
Examples of use by scene	<p><ハードウェア> Ski wear Plastic with fiberglass The <a0>ItSoftware Three-tier client server system Business and Daily Life> ・Teflon-processed pot</p>