

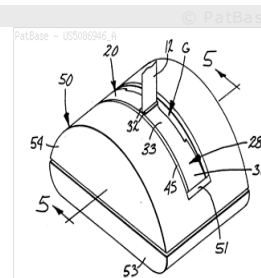
1) Family number: 10501221 (US5086946A)

SHEET STACK AND DISPENSER PACKAGE THEREFOR

Abstract: Source: US5086946A A stack of individual pre-cut sheets and a dispenser for those sheets are disclosed. The dispenser affords reciprocating movement of the stack within the dispenser to afford individual dispensing of the sheets. Optionally, the dispenser may be mounted on the wrist of a user to afford convenient dispensing.

Probable Assignee: 3M CO

Earliest Publication Date: 19920211



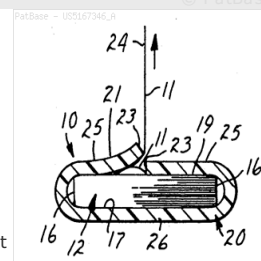
2) Family number: 10141615 (US5167346A)

DISPENSER FOR A STACK OF SHEETS

Abstract: Source: US5167346A A dispenser for a stack of sheets disposed in a stack with each of the sheets having a band of adhesive coated on a portion of its bottom surface adjacent one edge by which the sheet is releasably adhered to the top surface, of the adjacent sheet in the stack, the sheets being stacked with the bands of adhesive of adjacent sheets at alternate opposite sides of the stack. The dispenser includes normally generally planar top wall formed by a single layer of resiliently flexible polymeric material and having two opposed portions with a slot therebetween through which the uppermost sheet in the stack can be withdrawn, whereupon the top wall portion adjacent the band of adhesive on the uppermost sheet will flex away from the stack to form a surface adjacent the stack along which the sheet being withdrawn and the end of the second uppermost sheet in the stack to which the band of adhesive on the sheet being withdrawn is adhered can slide, and the top wall portion opposite the band of adhesive on the withdrawn uppermost sheet will place drag on the second uppermost sheet in the stack so that the force applied to withdraw the uppermost sheet will peel the uppermost sheet away from the end of the second uppermost sheet in the stack after it is withdrawn through the slot rather than fully withdrawing the second sheet through the slot.

Probable Assignee: 3M CO

Earliest Publication Date: 19921201



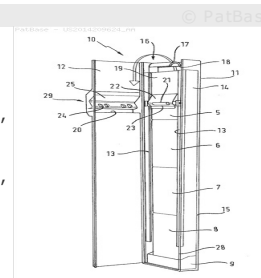
3) Family number: 52811857 (US2014209624A)

DISPENSER AND STACK OF SHEET PRODUCTS

Abstract: Source: US2014209624A A dispenser and a stack combination. The stack is a stack of interfolded webs wherein the lines of weakness of one web are offset from the lines of weakness of another web in a longitudinal direction, and the stack including at least two webs, the webs including: a first web (1) divided into individual hygiene products by means of lines of weakness (12); and a second web (2) divided into individual hygiene products by means of lines of weakness (22); the first web and the second web being interfolded with one another so as to form a nested configuration, wherein the first web and the second web are joined, at a joint, to one another at a leading portion (4) and/or at a trailing portion (47) of the web.

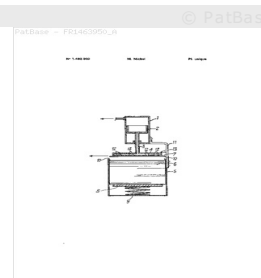
Probable Assignee: ESSITY HYGIENE AND HEALTH AKTIEBOLAG

Earliest Publication Date: 20130117



4) Family number: 21834576 (FR1463950A)

DISTRIBUTEUR DE FEUILLES DISTRIBUTOR SHEETS (MACHINE TRANSLATION)



Abstract: Source: FR1463950A ****ATTENTION**** debut du champ CLMS peut contenir fin de DESC ******. Distributeur de feuilles. L'invention concerne un distributeur de feuilles placees en pile. Le but est de disposer d'un appareil allant chercher la feuille extreme de la pile et la depilcant puis, apres avoir ete debarrasse de ladite feuille, retournant automatiquement chercher la feuille suivante. Le distributeur comprend essentiellement un cylindre communiquant avec un generateur de vide, dans ce cylindre un piston coulissant librement a frottement doux, et relie par un tube a un plateau creux, de facon a transmettre le vide dans ledit plateau, des perforations a la base plane inferieure du plateau, ce dernier etant dispose pour venir s'appuyer sur la feuille superieure de la pile. Un exemple non limitatif de l'invention est represente sur la figure jointe qui est une coupe du distributeur par un plan diametral. Le distributeur comprend un reservoir 5 de feuilles 6 placees en pile. Les feuilles sont soulevees par l'effort exerce sur le plateau mobile 8 par le ressort 9. La pile est maintenue a la partie superieure du reservoir par des reliefs 10. La pile remonte au fur et a mesure que les feuilles superieures de la pile sont successivement enlevees par le distributeur. Bien entendu, tout autre dispositif de deplacement des feuilles pourrait aussi convenir. Le distributeur proprement dit comprend un cylindre 1 rendu directement solidaire de 5 ou faisant partie d'une machine plus complexe. Ce cylindre est relie, dans la direction de la fleche, a un generateur de vide. Dans le piston, peut se deplacer a frottement doux un piston 2 relie par un tube 3 a un plateau creux 4. Le vide peut se propager a travers le piston 2 et le tube 3 jusqu'a l'interieur du plateau 4. Le plateau est dote de perforations multiples 12 dans sa face plane inferieure. Sous l'effet de leur poids, le piston et le plateau tendent a descendre lorsque les perforations 12 sont libres, malgre la depression maintenue par le generateur de vide dans le plateau 4 et qui est determinee en consequence. Des que le plateau s'est pose sur la feuille superieure 7 de la pile 6, les perforations 12 sont obturees, la depression dans le cylindre 1 augmente et l'ensemble piston 2 - plateau 4 remonte, enlevant la feuille 7, en vainquant la resistance des reliefs 10, jusqu'a une position determinee, par exemple, par la butee 13. A ce moment, l'ensemble s'immobilise. Il suffit d'enlever la feuille 7 a la main ou par un dispositif mecanique convenable pouvant faire partie d'une machine plus complexe, pour que le vide s'attenuue dans le cylindre et le plateau 4 et que le plateau 4 s'abaisse et retourne chercher la feuille superieure suivante de la pile 6, et ainsi de suite. Il est evident que des fuites d'air d'importance limitee entre le cylindre 1 et le piston 2 ou le tube 3 n'empechent pas le fonctionnement du distributeur; il suffit pour cela de donner au generateur de vide un debit suffisant. RESUME Distributeur de feuilles en pile comprenant un cylindre communiquant avec un generateur de vide, dans ce cylindre un piston coulissant librement a frottement doux et relie par un tube a un plateau creux, de facon a transmettre le vide dans ledit plateau, des perforations a la base plane inferieure du plateau, ce dernier etant dispose pour venir s'appuyer sur la feuille superieure de la pile. **** WARNING **** beginning of CRUD field may contain ****** end of DESC. Sheet dispenser. The invention relates to a distributor of sheets placed in stack. The goal is to have a camera going for the extreme sheet from the stack and then moving it, after having been cleared of said sheet, return automatically search for the next sheet. The dispenser essentially comprises a cylinder communicating with a vacuum generator, in which cylinder a piston sliding freely snugly, and connected by a pipe to a hollow tray, so as to transmit the vacuum in IEdit tray perforations has the flat base lower plateau, the latter being available to come to rest on the top sheet of the stack. A nonlimiting example of the invention is shown in the attached figure which is a section of the dispenser by a diametral plane. The dispenser includes a reservoir 5 sheets 6 placed pile. The leaves are raised by l'effort exerts on the movable plate 8 by the spring 9. The battery is maintained at the upper part of the tank by reliefs 10. The battery back as and as the superior sheets in the stack are successively abducted by the distributor. Of course, other leaves of displacement device could also be used. The actual dispenser comprises a cylinder 1 made directly integral with 5 or part of a more complex machine. This cylinder is connected in the direction of the arrow, a vacuum generator. In the piston can move a snug a piston 2 connected by a tube 3 has a hollow plate 4. The vacuum can spread through the piston 2 and 3 until the tube inside the tray 4. The tray is endowed multiple perforations 12 in its lower planar face. Due to their weight, the piston and the plate tend to go down when the perforations 12 are free, despite the depression maintained by the vacuum generator in the tray 4 which is determined accordingly. Of the tray is placed on the top sheet of the stack 6 7, the perforations 12 are closed, depression in the cylinder 1 increases and the piston 2 - 4 back plate, removing the sheet 7, defeating the resistance reliefs 10, until a determined position, for example, by butee 13. At this time, all stops. Simply remove the sheet 7 by hand or by a suitable mechanical device that can be part of a more complex machine, so that the vacuum is attenuated in the cylinder and the plate 4 and the tray lowers and 4 back to get the next top sheet from the stack 6, and so on. It is clear that the limited importance air leaks between the cylinder 1 and the piston 2 or the tube 3 do not prevent the operation of the machine; it suffices to give the vacuum generator sufficient flow. SUMMARY stack sheet dispenser comprising a cylinder communicating with a vacuum generator, in which cylinder a piston sliding freely snugly and connects through a tube has a hollow tray, so as to transmit the vacuum in said plate, the perforations flat lower base of the plateau, the latter being available to come to rest on the top sheet of the stack.

Earliest Publication Date: 19661230

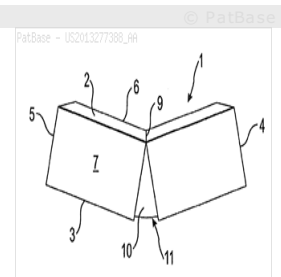
5) Family number: 50950076 (US2013277388A)

TISSUE PAPER SYSTEMS

Abstract: Source: US2013277388A A moist dispenser, the moist sheet dispenser including a receptacle housing for receiving a stack of moist sheets, the receptacle housing including a dispensing opening through which a sheet can be withdrawn from the stack, the dispenser including a lid that has an open position to provide access to the dispensing opening so that a sheet can be withdrawn from the stack through the dispensing opening and a closed position covering the dispensing opening, wherein the lid defines a periphery and the receptacle housing defines a periphery and the peripheries of the lid and the receptacle housing meet when the lid is in the closed position.

Probable Assignee: SCA HYGIENE PRODUCTS AB

Earliest Publication Date: 20120419



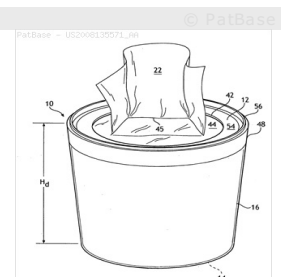
6) Family number: 41909401 (US2008135571A)

TISSUE STACK AND DISPENSER

Abstract: Source: US2008135571A By controlling the profile of a folded stack when placed into an oval dispenser, it is possible to reduce the compression of the folded stack by the dispenser's sidewall, thereby reducing or eliminating sheet tears when dispensing the sheet-material from the dispenser. In particular, by making the folded stack thicker in the middle and thinner at the edges, as a result of providing a variable width flat stack prior to folding the flat stack, the folded stack will better fit into an oblong or circular dispenser.

Probable Assignee: KIMBERLY CLARK CORP

Earliest Publication Date: 20080612



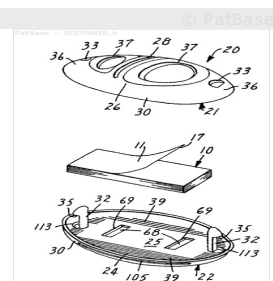
7) Family number: 11734904 (US5794815A)

DISPENSERS WITH OPTIONAL SUPPORT OR ATTACHMENT MEANS

Abstract: Source: US5794815A An assembly including a dispenser for flexible sheets from a stack, which dispenser has manually separable top and bottom portions defining a cavity therebetween adapted to receive the stack so that the uppermost sheet in the stack can be manually pulled through an opening in the top wall. The assembly can further include one or more of (1) a support member having opposed hook-like distal end portions extending through openings in and engaging the dispensers bottom wall, which support member has finger engagement surfaces shaped to engage adjacent side surfaces of a user's fingers and includes a narrow web like portion between the finger engagement surfaces adapted to comfortably extend between the fingers of a user positioned along the finger engagement surfaces, and includes a retainer portion wider than the web like portion adapted to be positioned along the inner surfaces of a user's fingers that can be releasably engaged with a weighted base to support the support member and dispenser on the base; (2) a resiliently elastic strap having hook-like members fixed to its opposite ends adapted to engage the bottom wall to support the dispenser on a users hand; and (3) weighted and un weighted bases having recesses in which the dispenser can be received.

Probable Assignee: 3M CO

Earliest Publication Date: 19971224



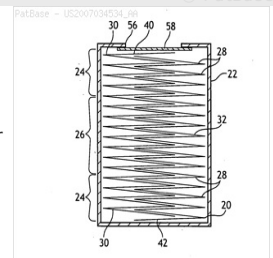
8) Family number: 45015024 (US2007034534A)

PRODUCT PROVIDING SHEET SAMPLES

Abstract: Source: US2007034534A A product including: a stack comprising a plurality of individual sheets and the stack enclosed within a dispenser; the stack having a first portion comprising a first sheet material and a second portion comprising a second sheet material; and wherein the first sheet material is different from the second sheet material. The product is useful for providing a free sample of a new or improved sheet material that is included with an existing regular product.

Probable Assignee: KIMBERLY CLARK CORP

Earliest Publication Date: 20070215



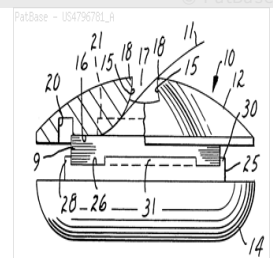
9) Family number: 18042348 (US4796781A)

DISPENSER FOR A STACK OF NOTEPAPER

Abstract: Source: US4796781A A desk type dispenser for dispensing note sheets which are adhered together along opposite alternate edges by a narrow band of adhesive coated on one surface of the sheets comprises a base member and a body member. The body is preferably weighted and sits on the uppermost sheets in the stack and is provided with a dispensing opening therein which communicates with arcuate wall members communicating with the bottom surface thereof. Recesses in one of the body and base and projections in the other member cooperate to afford a nesting of the base and the body. A platform on one of the members and a recess on the other affords a positioning of the stack of sheets with respect to the two members and stability for the stack of sheets.

Probable Assignee: 3M CO

Earliest Publication Date: 19880930



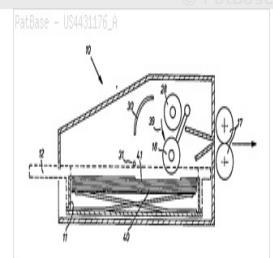
10) Family number: 30772027 (US4431176A)

DISPENSER FOR DISPENSING PHOTOGRAPHIC SHEETS FROM A STACK

Abstract: Source: US4431176A A dispenser for dispensing photographic sheets from a stack, comprising a dispensing mechanism including a bodily displaceable rotatably supported dispensing roller that is provided with uni-directional anti-rotation device, and a bodily stationary, driven roller for cooperation with the bodily displaceable roller.

Probable Assignee: AGFA GEVAERT NV

Earliest Publication Date: 19820317



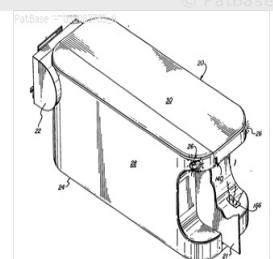
11) Family number: 3499566 (US5083765A)

COUPON DISPENSER

Abstract: Source: US5083765A A stand alone dispenser including an integral electrical power supply is provided for reliably dispensing individual sheets, such as coupons, from a stack. The dispenser comprises a clutch for preventing excessive pressure between the stack and a coupon remover to minimize current drain on the power supply. A stack advancer enables advancement of the stack, as necessary, whenever a coupon is dispensed through engagement by the clutch to the coupon remover. A control circuit includes delay and shutdown functions to limit excessive coupon removal, and a dispenser level indicator to discourage tampering or theft. The dispenser is mountable to store shelving or other point of purchase displays.

Probable Assignee: NEWS AMERICA MARKETING PROPERTIES LLC

Earliest Publication Date: 19920128



DISPENSER AND METHOD OF REFILLING DISPENSER

Abstract: Source: US2016088982A A dispenser is provided with a reservoir for a stack of sheets of web material and including a housing. The dispenser includes a lid being adapted to face upwardly during use of the dispenser. The dispenser includes a first biasing arrangement for biasing the stack of sheets of web material towards the lid and a dispensing opening therein. A cassette includes the reservoir and is arranged to be moved to a position at least partially outside the housing. The cassette is provided with a refill opening for sheets of web material, the refill opening being accessible when the cassette is in the position at least partially outside the housing. Further, a method of refilling a dispenser with a stack of sheets of web material is provided.

Probable Assignee: ESSITY HYGIENE AND HEALTH AKTIEBOLAG

Earliest Publication Date: 20141120

