

Search history

Search 1: SFT=(dispenser 2w stack and sheet) (Results 188)

1) Family number: 30587879 (US2004099678A)

© PatBase

SHEET DISPENSERS AND METHODS OF MAKING AND USING THE SAME

Abstract: Source: US2004099678A **Sheet dispensers**, which provide feedback to a user or provide a unique function to a user, are disclosed. Visual, audio, aromatic, or other types of feedback may be provided to a user by the **sheet dispenser**. **Sheet dispensers** suitable for use as a switch, a room deodorizer, a flame-generating device, or a combination thereof are disclosed. A method of activating a switch-controlled object is also disclosed. Further, a method of making **sheet dispensers** is also disclosed.

Probable Assignee: 3M CO

Earliest Publication Date: 20040527

2) Family number: 10501221 (US5086946A)

© PatBase

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

3) Family number: 28270105 (US2002195764A)

© PatBase

STACK OF FAN FOLDED MATERIAL AND COMBINATIONS THEREOF

Abstract: Source: US2002195764A The invention relates to a stack of fan folded material and related systems and processes. The stack includes at least two clips of fan folded material. Each clip includes a plurality of fan folded sheets, with each sheet joined to at least one adjacent sheet by a weakened line. Each clip is joined to an adjacent clip by a last sheet of one clip being separably joined to a first sheet of a succeeding clip.

Probable Assignee: KIMERLY CLARK WORLDWIDE INC

Earliest Publication Date: 20021205

4) Family number: 56777964 (US2015327733A)

© PatBase

STACK OF FOLDED WEB MATERIAL FOR HYGIENE PRODUCTS

Abstract: Source: US2015327733A A stack of folded web material for hygiene products, such as paper or nonwoven products, said stack including: at least two webs, the webs including: a first web divided into individual sheets by means of lines of weakness; and a second web divided into individual sheets by means of lines of weakness; said first and second webs being interfolded with one another so as to form said stack; and wherein the first web and the second web are arranged in said stack such that the lines of weakness of the first web and the lines of weakness of the second web are offset with respect to one another along the webs; each line of weakness having a separation strength, being the force required to separate an individual sheet from the web along said line of weakness.

Probable Assignee: SCA HYGIENE PRODUCTS AB

Earliest Publication Date: 20140626

5) Family number: 30737755 (US2004164147A)

© PatBase

CURRENCY CASSETTE ACCESS BASED ON FACIAL RECOGNITION

Abstract: Source: US2004164147A An ATM currency cassette (208) includes a plurality of movable cassette information indicator buttons (214). Each button can be rotated about an axis for repositioning. The buttons can be axially moved outward and inward relative to the cassette housing (210) by rotation thereof. Different axial arrangements of the buttons represent respective different characteristics of cassette content. The cassette can be inserted into an ATM where the button positions can be read by the ATM. The cassette enables unused buttons to remain therewith and also permits a button arrangement to be changed without requiring opening of the cassette.

Probable Assignee: DIEBOLD NIXDORF INC

Earliest Publication Date: 20040722

6) Family number: 11282545 (US5411168A)

© PatBase

SHEET DISPENSER AND DISPENSER SUBASSEMBLIES

Abstract: Source: US5411168A A **sheet dispenser** or **sheet dispenser** subassembly including a coherent stack of tape flags or other adhesive-bearing sheets that can be unobtrusively permanently or removably adhered on a page of a book, catalog, brochure, etc., because it has a supple cover layer that is a thin, tear-resistant polymeric film. The dispenser subassembly has a pressure-sensitive adhesive layer on a peripheral portion of the cover layer by which it can be adhered to the page which then serves as a back layer for the dispenser, whereas the dispenser includes a bottom layer on an outer surface of which is a layer of pressure-sensitive adhesive layer by which the dispenser can be adhered to a surface.

Probable Assignee: 3M CO

Earliest Publication Date: 19950215

7) Family number: 50950085 (US2013270289A)

© PatBase

TISSUE PAPER SYSTEMS

Abstract: Source: US2013270289A A container for containing a stack of interfolded tissue paper sheets, wherein the container includes a dispensing opening and lips so that a sheet passes through the dispensing opening when being withdrawn from the **stack** and dispensed from the sheet, wherein the lips are in an overlapping state in a direction of withdrawal of the sheets, wherein the lips are configured to be opened into a less overlapping or non-overlapping state by the sheet as the sheet moves therethrough and are configured to return to the overlapping state after withdrawal of the sheet.

Probable Assignee: SCA HYGIENE PRODUCTS AB

Earliest Publication Date: 20120419

8) Family number: 50950074 (US2013270290A)

© PatBase

TISSUE PAPER SYSTEMS

Abstract: Source: US2013270290A A stack of interfolded tissue paper sheets, wherein the interfolding pattern is such that each sheet is folded at least once to provide leading and trailing panels with respect to a sheet withdrawal direction, to define a stack comprising an overlapping region where adjacent sheets in the stack overlap and non-overlapping regions of the stack on opposed sides of the overlapping region wherein adjacent sheets of the stack do not overlap.

Probable Assignee: SCA HYGIENE PRODUCTS AB

Earliest Publication Date: 20120419

9) Family number: 50950071 (US2013313279A)

© PatBase

TISSUE PAPER SYSTEMS

Abstract: Source: US2013313279A A package including a stack of tissue paper sheets, wherein the package includes at least one line of weakness that has an unbroken configuration and a broken configuration and wherein the package is configured to be able to be flexed to pull apart the line of weakness when the line of weakness is in the broken configuration to open the package to allow a tissue paper sheet in the stack to be withdrawn through the open package.

Probable Assignee: SCA HYGIENE PRODUCTS AB

Earliest Publication Date: 20120419

10) Family number: 50950077 (US2013292402A)

© PatBase

TISSUE PAPER SYSTEMS

Abstract: Source: US2013292402A A system including a dry absorbent tissue paper **sheet dispenser** having a dispensing opening through which dry tissue paper sheets can be withdrawn and a moist **sheet dispenser** having a dispensing opening through which moist sheets can be withdrawn, wherein one of the dry tissue paper dispenser and the moist **sheet dispenser** is configured to sit atop the other so that the dispensing openings face in opposing directions in a combined configuration, and wherein the dry and moist **sheet dispensers** have cooperating interfacing surfaces when they are in the combined configuration that resist movement of the moist **sheet dispenser** with respect to the dry tissue paper dispenser in a first direction perpendicular to a sheet withdrawal direction of the dry tissue paper dispenser and the moist dispenser.

Probable Assignee: SCA HYGIENE PRODUCTS AB

Earliest Publication Date: 20120419

11) Family number: 55974689 (US2015265108A)

© PatBase

DISPENSER FOR SHEET PRODUCTS

Abstract: Source: US2015265108A An in-counter or in-wall dispenser including a product housing and a cover is disclosed. The cover is pivotally mounted so as to pivot between an open position providing access to the interior volume defined by the product housing for loading a new stack of sheet products and a closed position so that the sheet products are only accessible through a dispensing opening in the cover for one at a time dispensing of **sheet** products from the product housing. First and second tab-like members project from an interior surface of the product housing into the interior volume. With the cover open, the first and second tab-like members engage in a margin or border area of a front face of the sheet products positioned closest to the dispensing opening to hold at least the engaged part of the sheet products spaced from an interior surface of the anterior cover.

Probable Assignee: SCA HYGIENE PRODUCTS AB

Earliest Publication Date: 20140313

12) Family number: 50950076 (US2013277388A)

© PatBase

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

13) Family number: 42149069 (US4993590A)

© PatBase

SHEET DISPENSER

Abstract: Source: US4993590A A dispenser for a stack of partially adhesive coated sheets stacked with the adhesive coating on each successive sheet disposed along alternate opposite sides of the stack and releasably adhering the sheets together. The dispenser has a cavity adapted to receive the stack defined by surfaces including opposed upwardly diverging end surfaces spaced apart to arc the stack positioned with its sides against the end surfaces and to position a top surface of the stack along arcuate upper inner friction surface portions of the dispenser with an end portion of the uppermost sheet in the stack projecting through an opening between those inner surface portions. The uppermost sheet on the stack can be manually withdrawn through the opening and will carry with it the end portion of the sheet beneath it in the stack, the opposed upwardly diverging end surfaces between which the stack is arched will cause movement of the sides of the stack along the end surfaces toward the upper surface portions of the stack in response to forces applied to the stack of sequentially remove sheets from the stack through the opening, and the friction surface portions will insure that only one sheet is pulled from the dispenser at one time.

Probable Assignee: 3M CO

Earliest Publication Date: 19901126

14) Family number: 57485944 (US2016051100A)

© PatBase

SHEET PRODUCT DISPENSER

Abstract: Source: US2016051100A A dispenser is disclosed that includes a housing defining an interior volume for receiving a stack of sheet products, an actuator, a dispensing member, a roller, and a support structure for engaging a front face of the stack including opposed shelves for supporting opposed sides of the front face. The actuator is operable by a user to activate a dispensing member to dispense a desired number of sheet products. The actuator includes two or more user interfaces that a user can actuate to transmit to the dispensing member an amount of movement corresponding to different numbers of sheet products being dispensed depending upon which of the user interfaces is actuated. The roller is located between the opposed shelves and engages and grips on the front face of the stack. The actuator imparts a predetermined amount of rotation to the roller depending upon which of the user interface ledges is actuated, which causes the roller to separate one or more sheet products at the front face of the stack in a one-at-a-time fashion.

Probable Assignee: SCA HYGIENE PRODUCTS AB

Earliest Publication Date: 20141002

15) Family number: 32284446 (US2005218198A)

© PatBase

COMESTIBLE PRODUCT DISPENSERS AND METHODS OF MAKING AND USING SAME

Abstract: Source: US2005218198A Dispensers for comestible products are provided. The dispensers can be made of any suitable material including paperboard and plastic. The dispensers in general open to expose multiple products to the consumer who can select one or more of same. The dispensers are recloseable and can be pseudo-airtight. They can be sized to hold varying amounts and sizes of products. In certain embodiments, glue or adhesive is used to hold the products in place.

Probable Assignee: WM WRIGLEY JR CO

Earliest Publication Date: 20051006

16) Family number: 44523899 (US5518144A)

© PatBase

DISPENSER PACKAGE

Abstract: Source: US5518144A A dispenser package including a stack of flexible sheets adhered together by layers of pressure sensitive adhesive with first and second ends of successive sheets in the stack adjacent; and an enclosure in which the stack of sheets is positioned having top wall portions with spaced opposed surfaces that define a wide slot. The first end portion of the uppermost sheet on the stack projects through the slot and rests against the adjacent first abutment surface. As that uppermost sheet is pulled through the slot, successive portions of it will peel away from the first underlying sheet in the stack until it contacts the second abutment surface, whereupon the first end portion of the first underlying sheet separates from the second underlying sheet, the first end portion of the first underlying sheet folds and moves through the slot with the second end portion of the uppermost sheet to leave, after the uppermost sheet is fully peeled from the first portion of the first underlying sheet, the first end portion of the first underlying sheet in a position projecting through the slot and resting against the second abutment surface in a position where it too may be grasped for manual removal in a similar manner.

Probable Assignee: 3M CO

Earliest Publication Date: 19951228

17) Family number: 29365722 (US5299712A)

© PatBase

SHEET DISPENSER WITH OPTIONAL SUPPORT OR ATTACHMENT MEANS

Abstract: Source: US5299712A A dispenser for flexible sheets from a stack of adhesive coated sheets disposed one on top of another. The dispenser comprises a first housing portion including a bottom wall, end walls, side walls and a first top wall portion; and a second housing portion comprising a second top wall portion mounted on the first housing portion for movement between a normal position where the top wall portions define an outlet opening for the sheets between adjacent ends, and an open position with the second top wall portion spaced from the first wall portion to afford inserting a stack of sheets into the cavity. The dispenser includes attaching means adapted for releasably attaching the dispenser to several different retaining means including a strap by which the dispenser can be secured on a user's hand or wrist; a support member adapted to be held between user's fingers; a weighted base; or a base adapted to be attached to a surface by various means such as adhesive, suction cups or magnetic material.

Probable Assignee: 3M CO

Earliest Publication Date: 19940405

18) Family number: 30772027 (US4431176A)

© PatBase

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

19) Family number: 17294453 (US4696399A)

© PatBase

NOTEPAPER DISPENSING TRAY

Abstract: Source: US4696399A A notepaper dispenser for holding and dispensing sheets singly from a pad of notepaper with the sheets held in the pad by a narrow band of adhesive on one side of each sheet and adjacent one end is disclosed which has a support surface for the pad, a clamp for holding the bottom sheet in an area spaced from the band of adhesive in fixed position in relationship to the support surface and an abutment for engaging an edge of the pad opposite the end of the sheets joined together by the adhesive for restricting peeling forces resulting from peeling the top sheet being transferred to the bottom sheet of the pad.

Probable Assignee: 3M CO

Earliest Publication Date: 19860130

20) Family number: 8605130 (US5551595A)

© PatBase

DISPENSER PACKAGE FOR USE IN RING BINDERS

Abstract: Source: US5551595A A thin dispenser package including a housing having a peripheral edge portion with through openings that can be mounted in a ring binder or a hook like projection that can be engaged in pocket folders, portfolios or the like. The dispenser package includes a stack of flexible sheets adhered together by layers of pressure sensitive adhesive with first and second ends of successive sheets in the stack adjacent; and the enclosure in which the stack of sheets is positioned that has a slotted top wall. The first end portion of the uppermost sheet on the stack projects through the slot. As that uppermost sheet is pulled through the slot, the first end portion of the first underlying sheet moves through the slot with the second end portion of the uppermost sheet to leave, after the uppermost sheet is fully peeled from the first portion of the first underlying sheet, the first end portion of the first underlying sheet in a position projecting through the slot.

Probable Assignee: 3M CO

Earliest Publication Date: 19960111

21) Family number: 2961036 (US5240368A)

© PatBase

SHEET HANDLING APPARATUS

Abstract: Source: US5240368A A device for dispensing sheet media comprising a storage location for storing sheet media to be dispensed; a receiving location accessible to a patron from which the sheet media may be received; a receptacle for retaining sheets of the media; a stacking assembly for stacking individual sheets of the sheet media into a stack; a transport assembly for transporting individual sheets from the storage assembly to the stacking assembly and for transporting sheets of the media from the receiving assembly to the receptacle; a transfer assembly for transferring a stack of sheets from the stacking assembly to the receiving location; and, a divert assembly associated with the transport assembly operable to cause sheets transported from the storage location to the stacking assembly to be diverted to the receptacle.

Probable Assignee: DIEBOLD NIXDORF INC

Earliest Publication Date: 19910613

22) Family number: 33465906 (PL354185A)

© PatBase

AUTOMATED TRANSACTION MACHINE WITH TRANSPORT PATH VERIFICATION

Abstract: Source: IN204030B AUTOMATED TRANSACTION MACHINE WITH TRANSPORT PATH VERIFICATION

Probable Assignee: DIEBOLD INCORPORATEDDIEBOLD INC

Earliest Publication Date: 20010615

23) Family number: 41912468 (US2010072219A)

© PatBase

STACK

Abstract: Source: US2010072219A The invention relates to a stack of discrete material sheets, which material sheets have a longitudinal direction and a transverse direction. The material sheets forming the stack are placed with their transverse end portions partially overlapping material sheets are folded at least once along a fold line in the longitudinal direction to form an assembled web, which direction corresponds to the dispensing direction of the stack. The assembled web is folded along fold lines in the transverse direction to form the stack of material sheets. The material sheets are interlinked in such a way that, when a first material sheet is extracted, a predetermined part of a subsequent material sheet is fed out.

Probable Assignee: SCA HYGIENE PRODUCTS AB

Earliest Publication Date: 20080612

24) Family number: 23193239 (US2002064437A)

© PatBase

DETERMINING WHEN ADHESIVE IN A REPLACEABLE ADHESIVE DISPENSER IS NEARLY SPENT

Abstract: Source: US2002064437A Systems and methods of determining when adhesive in a replaceable adhesive dispenser is nearly spent are described. In one aspect, a bookbinding system includes a receptacle for receiving a plug-in cartridge housing of an adhesive dispenser that contains a length of solid sheet adhesive wound into a roll, and an adhesive quantity interrogator that is configured to obtain an indication of the length of solid sheet adhesive remaining within the plug-in cartridge housing. In another aspect, an adhesive dispenser includes a plug-in cartridge housing that is configured to plug into a receptacle of a bookbinding system, a length of solid sheet adhesive that is disposed within the plug-in cartridge housing and wound into a roll, and an indicator of the length of solid sheet adhesive remaining within the plug-in cartridge housing.

Probable Assignee: HEWLETT PACKARD DEVELOPMENT CO LP

Earliest Publication Date: 20020530

25) Family number: 28402573 (US2002168248A)

© PatBase

DISPENSING ADHESIVE IN A BOOKBINDING SYSTEM

Abstract: Source: US2002168248A Systems and methods of dispensing adhesive in a bookbinding system are described. Sheets may be bound into bound text bodies having respective spines exposed for adhesive application and characterized by multiple length dimensions and multiple thickness dimensions. In one aspect, a sheet binding system comprises an adhesive dispenser that is configured to dispense across the thickness dimension of a text body spine solid sheet adhesive having one of multiple effective widths that is sized to correspond substantially to the length dimension of the text body spine. In accordance with this approach, books of different lengths (or heights) may be readily bound with solid sheet adhesive that may be contained within a single, replaceable cartridge housing.

Probable Assignee: HEWLETT PACKARD DEVELOPMENT CO LP

Earliest Publication Date: 20021114

26) Family number: 59291000 (US2016316977A)

© PatBase

A DISPENSER FOR DISPENSING A SELECTABLE QUANTITY OF ABSORBENT SHEET PRODUCTS

Abstract: Source: US2016316977A A dispenser for dispensing a selectable quantity of absorbent sheet products is provided. The dispenser includes a container for containing a stack of absorbent sheet products, and an opening through which at least one absorbent sheet product is graspable. The opening includes a main portion in a first side of the container and at least one additional portion extending the main portion towards a second side of the container such that the, at least one, additional portion extends above and transversally relatively to the stack of absorbent sheet products contained in the container. The, at least one, additional portion defines multiple exposing zones along an axis (x) from one end of the main portion towards another end of the main portion. Each additional portion has a length from the axis (x) being associated with a maximum amount of absorbent sheet products graspable at the same time in a single seizure by a user.

Probable Assignee: SCA TISSUE FRANCE

Earliest Publication Date: 20150521

27) Family number: 31761714 (US2005058807A)

© PatBase

STACK OF INTERFOLDED ABSORBENT SHEET PRODUCTS

Abstract: Source: US2005058807A A stack of interfolded absorbent sheet products comprises a plurality of absorbent sheets each of which is itself folded at least twice about axes that are perpendicular to one another. The absorbent sheets have an embossed surface relief of a predetermined pattern or design. Each of the absorbent sheets within the stack comprises at least one pair of panels sandwiched between a pair of adjacent panels of another of the absorbent sheets in the stack.

Probable Assignee: SCA TISSUE NORTH AMERICA LLC

Earliest Publication Date: 20050317

28) Family number: 33465836 (US6315194B)

© PatBase

AUTOMATED TRANSACTION MACHINE WITH TRANSPORT PATH VERIFICATION

Abstract: Source: US6315194B An automated transaction machine includes a sheet dispensing path verification system and method. The machine includes a sheet handling mechanism (17, 192) therein, including a sheet transport path (42). Devices for sensing and moving sheets are positioned adjacent to the transport path. The machine includes a control circuitry (44) which controls the various devices in response to inputs by customers. Upon receiving a transaction request from a customer which requires the dispensing of sheets, the machine verifies whether the sheet transport path to the customer is unobstructed. A test sheet is sent along the transport path to a delivery position. At least one sensor is used to verify whether the test sheet may successfully travel through the transport path. After verification that the transport path is unobstructed the sheet dispensing transaction is completed by moving further sheets to the delivery position.

Probable Assignee: DIEBOLD NIXDORF INC

Earliest Publication Date: 20011113

AUTOMATED TRANSACTION MACHINE WITH TRANSPORT PATH VERIFICATION.

Abstract: An automated transaction machine includes a **sheet** dispensing path verification system and method. The machine includes a sheet handling mechanism (17, 192) therein, including a sheet transport path (42). Devices for sensing and moving sheets are positioned adjacent to the transport path. The machine includes a control circuitry (44) which controls the various devices in response to inputs by customers. Upon receiving a transaction request from a customer which requires the dispensing of **sheets**, the machine verifies whether the sheet transport path to the customer is unobstructed. A test sheet is sent along the transport path to a delivery position. At least one sensor is used to verify whether the test sheet may successfully travel through the transport path. After verification that the transport path is unobstructed the **sheet** dispensing transaction is completed by moving further sheets to the delivery position.

Probable Assignee: DIEBOLD INC

Earliest Publication Date: 20010329

GRAVITY-FEED NAPKIN DISPENSER WITH INTERNAL BLOCKING ASSEMBLY

Abstract: Source: US2006071012A A gravity-feed dispenser includes an internal blocker assembly to prevent folded sheet from falling away from the dispensing aperture. A preferred embodiment includes a spring biased blocker arm which cooperates with a spring biased guide plate to maintain the napkins in position throughout dispensing of the stack, especially when the stack is depleted and of insufficient weight to urge the remaining sheets into position. In a preferred embodiment, the dispenser is provided with a convertible support, suitable for mounting the dispenser on either a wall or a countertop with a quick release mounting bracket.

Probable Assignee: GPCP IP HOLDINGS LLC

Earliest Publication Date: 20060223

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 (4?) of the web.

Probable Assignee: SCA HYGIENE PRODUCTS AB

Earliest Publication Date: 20130117

AUTOMATED BANKING MACHINE CURRENCY DISPENSER MODULES

Abstract: Source: US2004145106A Dispenser modules include structure permitting their securement in stacked and aligned relation. The dispenser modules can contain multimedia. The dispenser modules can be used in an automated banking machine operative to dispense multimedia. Modules can include a projection plate and a biasing latch arm on side walls thereof. The projection plate includes a pin operative to be received in a side wall slot. A first module is locked to a second module due to a first module latch preventing movement of a second module pin from a first module slot. Disassembly of the locked modules can occur with compressing of the latch to release the modules relative to each other.

Probable Assignee: DIEBOLD NIXDORF INC

Earliest Publication Date: 20040715

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

BATTERIES INCLUDING A FLAT PLATE DESIGN

Abstract: Source: US2004127952A A battery having flat, stacked, anode and cathode layers. The battery can be adapted to fit within an implantable medical device.

Probable Assignee: CARDIAC PACEMAKERS INC

Earliest Publication Date: 20040701

35) Family number: 45015024 (US2007034534A)

© PatBase

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

36) Family number: 42970589 (US2009050646A)

© PatBase

COMPACT **SHEET DISPENSER**

Abstract: Source: US2009050646A A compact, substantially non-shuttling **sheet dispenser** is provided. The dispenser includes (a) an upper member having a slot; (b) a lower member at least temporarily attached to the upper member thereby forming a housing; and (c) a stack of polymeric sheets assembled in a fan-fold configuration and disposed in the housing. Each sheet includes a tab end portion, an adhesive end portion, and opposing first and second surfaces, and a coating of repositionable adhesive disposed on the adhesive end portion of the second surface of each sheet, the adhesive covering from about 45 percent to 55 percent of the second surface. The stack of sheets is not attached to the lower member of the housing.

Probable Assignee: 3M CO

Earliest Publication Date: 20090226

37) Family number: 31337980 (WO04099051A1)

© PatBase

STACT OF INTERFOLDED MATERIAL SHEETS AND METHOD FOR ITS PRODUCTION

Abstract: The invention relates to a stack (101) of material sheets (102), which material sheets (102) have a longitudinal direction and a transverse direction and which material sheets (102) are folded at least once in the transverse direction along a transverse folding line and at least once in the longitudinal direction along a longitudinal folding line. The material sheets (102) are interlinked in such a way that, when a first material sheet is extracted, a predetermined part of the next material sheet is fed out. Two consecutive material sheets (102) in the stack (101) are folded in one another and are in this way interlinked by panels (107) of the respective material sheets (102). The said panels (107) constitute rectangles each having two delimiting edges in the form of a longitudinal fold edge (105) and a transverse fold edge (106). The two consecutive material sheets (102) lie stacked with the longitudinal fold edge (105) of a first material sheet arranged in the opposite direction in relation to the corresponding longitudinal fold edge (105) of the next, second material sheet. In addition, a panel (107) of the first material sheet is enclosed by two panels (107) of the next material sheet. The invention also relates to a method of producing such a stack (101) of material sheets (102).

Probable Assignee: SCA HYGIENE PROD AB

Earliest Publication Date: 20041106

38) Family number: 42970532 (US2009052973A)

© PatBase

WRITING INSTRUMENT WITH COMPACT **SHEET DISPENSER**

Abstract: Source: US2009052973A A writing instrument having a central axis is provided. It includes (a) a barrel portion having opposing first and second ends, an exterior grip surface in between, and a first internal cavity; (b) a marking element extending from the first end of the barrel portion and disposed in the first internal cavity; and (c) a dispensing portion having opposing first and second ends, the first end in communication with the second end of the barrel portion.

Probable Assignee: 3M CO

Earliest Publication Date: 20090226

39) Family number: 30240577 (US3784835A)

© PatBase

FILM SHEET CASSETTE

Abstract: Source: US3784835A A film sheet cassette useful in medical X-ray applications and particularly in daylight film handling systems which include a dispenser for dispensing film **sheets** one at a time into the cassette. In use, the loaded cassette is first exposed to an X-ray source to photograph a patient after which it may be positioned in operative relationship with respect to a film processor for releasing the exposed film sheet into the processor. The cassette is comprised of a housing including a back plate and a cover plate fixed thereto in parallel spaced relationship. A pressure plate is disposed between the back plate and cover plate and spring urged against the back plate in light tight relationship therewith. The cassette housing defines channels along opposite edges thereof for slidably receiving cam rods. The pressure plate is provided with follower studs along the edges thereof which ride on cam surfaces of the rods. Actuating pins are provided on both the dispenser and processor for protruding into the channels when the cassette is positioned in operative light tight relationship with respect thereto. The pins engage the cam rods and slide them within the channels thus causing the cam surfaces to lift the follower studs and space the pressure plate from the back plate to thus allow film sheets to enter or exit from the cassette.

Probable Assignee: CUBIC PROD INC

Earliest Publication Date: 19720107

40) Family number: 29370129 (US5090592A)

© PatBase

NOSE PIECE FOR FOLDED SHEET PRODUCT DISPENSER

Abstract: Source: US5090592A An apparatus and method for serially dispensing discrete folded sheet products from a stack through an opening in a nose piece. The nose piece includes two pairs of contact elements disposed at different planes whereby the napkin prior to dispensing is subjected to two sequential bending steps with the bends being formed at right angles to one another. During the bending steps a flap terminal end is unsupported by the nose piece over the central portion of the flap terminal end and the bending of the folded sheet product urges the flap terminal end outwardly of the rest of the product to facilitate grasping and removal.

Probable Assignee: JAMES RIVER PAPER CO INC

Earliest Publication Date: 19920225

41) Family number: 18042348 (US4796781A)

© PatBase

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

42) Family number: 69027859 (WO18054455A1)

© PatBase

STACK OF PAPER SHEETS, DISPENSER HAVING SUCH A STACK AND METHOD FOR FORMING SUCH A STACK

Abstract: The present disclosure concerns a stack of paper sheets particularly for use as dispenser napkins, the stack comprising a plurality of folded sheets (30), each folded sheet (30) being folded along a first folding line (13) so that a part of a free edge opposite to the first folding line (13) is located on an outer surface of the folded sheet (30) and inward of the outer peripheral edges of the folded sheet (30), whereby a starter fold (16) is formed, each folded sheet (30) being further folded along a second folding line (18) non-parallel to the first folding line (13), the second folding line (18) separating the folded sheet (30) in two panels connected at the second folding line (18), wherein two consecutive folded sheets (30) are interfolded so that one panel (19) of one folded sheet (30) is disposed between two panels (19, 21) of the consecutive folded sheet (30). The present disclosure further concerns a method for manufacturing such a stack and folding the sheets included in the stack as well as a dispenser containing such a stack.

Probable Assignee: SCA HYGIENE PROD AB

Earliest Publication Date: 20180329

43) Family number: 11734904 (US5794815A)

© PatBase

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 user's 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

44) Family number: 29831452 (US5712210A)

© PatBase

NONWOVEN ABRASIVE MATERIAL ROLL

Abstract: Source: US5712210A A longitudinally extending web of lofty nonwoven abrasive surface treatment material is provided in a coreless roll form to the end user. Successive wraps of the nonwoven abrasive material have interengaging surfaces sufficient to maintain the material in a spirally wrapped configuration yet being readily separable. A plurality of longitudinally spaced and laterally disposed perforations through the web permit the user to successively separate the web into a plurality of sheets of abrasive surface treatment material. In a preferred embodiment, the roll is encased in a protective shrink wrap sheath, and each sheet is separated from the roll by separating said sheet from an innermost wrap of the roll.

Probable Assignee: 3M CO

Earliest Publication Date: 19970306

45) Family number: 54819664 (CO6720970A)

© PatBase

SURTIDOR DE HOJAS HUMEDAS

Abstract: Source: CO6720970A Un surtidor humedo, el surtidor de hojas humedas comprende un alojamiento de receptaculo para recibir un apilado de hojas humedas, el alojamiento de receptaculo comprende una abertura de suministro a traves de la cual se puede extraer una hoja del apilado, el surtidor comprende una tapa (81) que tiene una posicion abierta para proporcionar acceso a la abertura de suministro de manera que la hoja puede ser extraida del apilado a traves de la abertura de suministro y una posicion cerrada que cubre la abertura de suministro, en donde la tapa define la periferia y el receptaculo define una periferia y las periferias de la tapa y del receptaculo coinciden cuando la tapa esta en la posicion cerrada.

Probable Assignee: SCA HYGIENE PROD AB

Earliest Publication Date: 20130715

46) Family number: 41514035 (US2008041873A) © PatBase

INTERFOLDED DISPENSING PANEL

Abstract: Source: US2008041873A By interfolding or interleaving at least a portion of the dispensing panel of a dispenser with the first sheet in a stack of sheet material such that a leading edge of the first sheet is exposed, it is no longer necessary to reach into the dispenser to dispense the first sheet. To dispense the first sheet, the optional removable panel is torn from the dispenser, and then the already exposed leading edge of the first sheet protruding from the dispensing panel is grasped and pulled to withdraw the first sheet from the dispenser.

Probable Assignee: KIMBERLY CLARK CORP

Earliest Publication Date: 20080221

47) Family number: 41909401 (US2008135571A) © PatBase

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

48) Family number: 15807072 (US5954440A) © PatBase

THERMAL PRINTER WITH SHEET PRESSURE MEANS

Abstract: Source: US5954440A Thermal printer with a thermal head (16) for image-wise heating a heat-sensitive sheet (38) according to an elongate printing zone, transverse with respect to the sheet, and a rotatable print drum (15) for conveying such sheet past such thermal head while the head is urged towards the drum, which is provided with a pressure roller (17) for urging a sheet section, downstream of the printing zone, onto the print drum in order to establish a contact angle alpha between the sheet and the print drum. (Fig. 5)

Probable Assignee: AGFA GEVAERT NV

Earliest Publication Date: 19980610

49) Family number: 31994104 (US2005129898A) © PatBase

SEPARABLY JOINED RELATIONSHIP BETWEEN ADJOINING WIPES

Abstract: Source: US2005129898A The invention relates to a group of wipes. The group of wipes includes at least three wipes separably joined together, each wipe separably joined to each adjacent wipe by a weakened line. Each weakened line includes a plurality of first-type weakened zones and at least one second-type weakened zone. The second-type weakened zone has a length that is at least 1.5 times a length of the first-type weakened zone and the second-type weakened zone is randomly positioned along the weakened line such that no two consecutive weakened lines have the second-type weakened zone in the same position relative to opposite ends of consecutive weakened lines.

Probable Assignee: KIMBERLY CLARK CORP

Earliest Publication Date: 20050616

50) Family number: 31416529 (US2004256403A) © PatBase

DISPENSER

Abstract: Source: US2004256403A A dispenser for dispensing interconnected sheets arranged in a stack, includes a top surface, a bottom surface and side surfaces connecting the top surface with the bottom surface. An opening is provided in at least one surface for the removal of sheets from the dispenser. The opening extends over essentially the whole diagonal extension of the stack of sheets. The stack of interconnected sheets are further arranged in the dispenser with an uppermost sheet placed near or in contact with the top surface and adjacent to the opening in the top surface and at least the edges of a lowermost sheet arranged on the bottom surface. A method of manufacturing the dispenser having an opening which extends over essentially the whole diagonal extension of the stack of sheets is also disclosed.

Probable Assignee: SCA HYGIENE PRODUCATS AB

Earliest Publication Date: 20041223

51) Family number: 31337533 (WO04098363C1) © PatBase

DISPENSER

Abstract: The invention relates to a dispenser (1) for dispensing interconnected **sheets** arranged in a stack (2), which dispenser (1) has a top surface (3), a bottom surface (4) and side surfaces (5-8) connecting the top surface (3) with the bottom surface (4). An opening (9) is provided in at least one surface (3-8) for the removal of said sheets from the dispenser (1). The opening (9) is characterised in that it extends over essentially the whole diagonal extension of the stack of sheets (2). The stack (2) of interconnected sheets are further arranged in said dispenser (1) with an uppermost sheet (10) placed near or in contact with the top surface (3) and adjacent to the opening (9) in the top surface (3) and at least the edges of a lowermost sheet arranged on the bottom surface. The invention further relates to a method of manufacturing a dispenser having an opening (9) which extends over essentially the whole diagonal extension of the stack of sheets (2).

Probable Assignee: SCA HYGIENE PROD AB

Earliest Publication Date: 20041118

52) Family number: 3989251 (GB1449265A)

© PatBase

BULK PACKAGE FOR INDIVIDUAL DISPENSING OF SUBSTANTIALLY WET SHEETS FROM STACKS LOAD HANDLING MECHANISM FOR A STORAGE AND RETRIEVAL SYSTEM

Probable Assignee: INT PLAYTEX INC

Earliest Publication Date: 19760915

53) Family number: 63372460 (US2018035850A)

© PatBase

DISPENSER FOR A STACK OF WEB MATERIAL

Abstract: Source: US2018035850A A dispenser for dispensing **sheets** of web material is provided. The dispenser includes a dispenser housing and storage compartment for receiving a stack of sheets of web material. The housing has a front side, a rear side, upper and lower end portions, and two vertical sides connecting the front and rear sides, the lower end portion forming a dispensing end portion of the dispenser. The storage compartment includes a support arrangement for supporting the stack of sheets of web material at the dispensing end portion of the dispenser. The support arrangement a dispensing opening is arranged in a portion between the front, rear and side portions and an abutment surface to which the stack of sheets of web material can abut.

Probable Assignee: SCA HYGIENE PROD AB

Earliest Publication Date: 20160901

54) Family number: 7573473 (US3780908A)

© PatBase

BULK PACKAGE FOR INDIVIDUAL DISPENSING OF SUBSTANTIALLY WET SHEETS FROM STACKS

Abstract: Source: US3780908A A bulk package for individually dispensing substantially wet sheets from a stack of such sheets, comprising a container receiving the stack of wet sheets and having an openable and readily resealable cover which, when closed, forms a substantially moisture-proof seal between the container and the atmosphere; and a barrier member overlying the stack of wet sheets and interposed between the stack and the cover and having a restricting opening whose proximate surfaces frictionally engage the adjacent surfaces of the successive sheets withdrawn from the stack such that when the uppermost sheet is pulled outwardly of the package through such opening the leading surfaces of the next succeeding sheet are drawn by and in contact with the uppermost sheet through the opening into frictional contact with the surfaces proximate thereto which produce a frictional force on the next succeeding sheet sufficient to overcome the force resisting separation of the two sheets yet not so large that the force required to remove the uppermost sheet will tear either of such sheets. The surfaces proximate the sheet restricting opening thus effect separation of the sheets with the leading surfaces of the next succeeding sheet extending outwardly of the opening positioned for subsequent manual grasping and removal from the package.

Probable Assignee: PLAYTEX FP INC

Earliest Publication Date: 19731225

55) Family number: 2434212 (US4580771A)

© PatBase

SHEET TRANSFER APPARATUS

Abstract: Source: US4580771A An automatic sheet feeding mechanism adapted to separate a single sheet from a stack of sheets and transfer the single sheet via airjets to the exposure platen of an exposing apparatus. After airjet positioning and exposure, the single sheet is lifted from the platen and delivered to an exit port also via airjets.

Probable Assignee: GERBER SYSTEMS CORP

Earliest Publication Date: 19831207

56) Family number: 54699148 (US2013228587A)

© PatBase

GRAVITY FEED DISPENSER

Abstract: Source: US2013228587A A gravity feed dispenser including a dispensing opening that exposes part of a front face and part of a bottom face of a stack of interfolded napkins. Interference tabs restrict the dispensing opening at the front face of the stack of napkins. A stack of interfolded napkins is seated on a bottom wall of the dispenser. The bottom wall is set back from a front wall in a front to rear direction to provide a dispensing gap. A leading flap of the stack of napkins hangs through the dispensing gap while a leading fold of the stack of napkins is pressed against a bottom end of the front wall. When the leading flap is pushed back, the leading fold passes beneath a bottom edge of the front wall to be grasped by a user for dispensing napkins at least two at a time.

Probable Assignee: SCA HYGIENE PRODUCTS AB

Earliest Publication Date: 20130905

57) Family number: 11883849 (US5992683A)

© PatBase

CLIP LIFT FOR **SHEET DISPENSING SYSTEM**

Abstract: Source: US5992683A This invention relates to a **sheet** dispensing system which includes a clip lift member. The clip lift member of the present invention is positioned beneath the stack of sheets placed in the carton. The clip lift is comprised of an elastic member which is placed underneath a stack of sheets and is connected to the end walls of the carton. The clip lift may include a support member positioned between the sheets and the elastic member which may support the weight of the tissues. The clip lift biases the sheets in an upward direction as the sheets are being dispensed. The elastic member may be comprised of any elastic member, including a heat-activatable elastic member, which may be microwave susceptible.

Probable Assignee: KIMBERLY CLARK CORP

Earliest Publication Date: 19991130

58) Family number: 22846397 (US3117694A)

© PatBase

AUTOMATIC DISPENSER OF INDIVIDUAL FLAT SHEETS FROM A STACK

Abstract: Source: US3117694A (Claim 1) 1. A dispenser for a stack of edge-aligned **sheets**, the **dispenser** being of the type in which pulling by a user upon a first sheet drives a second sheet into a position to be removed, the dispenser requiring only one roll to engage the stack, said **sheet dispenser** comprising a cabinet adapted to hold a stack of sheets each having a pair of parallel edges, said cabinet having one end adapted to receive a face of the stack, said cabinet end having a crosswise port, a single driving friction roll rotatably mounted in said port and disposed inwardly from said cabinet end so as to engage an inserted stack across the face thereof, said roll being positioned parallel to the edges of the face sheet and between them, spaced away from each but substantially closer to one than to the other, a surface means disposed on the side of said roll corresponding with the more remote face edge, said throat surface defining, with a substantial portion of the periphery of said roll, an arcuate throat having an entry at said stack face and extending outwardly to a discharge point exposed directly to a user, said throat surface means being adapted to engage sheets passing therethrough and positioned to constrain said sheet against said roll throughout a substantial arc to the discharge point, press means for urging an inserted stack against said roll and against end portions of said cabinet thereof including said passage entry, and means for manually actuating said roll to loop up the face sheet of an inserted stack into said throat passage, thereby setting the apparatus for automatic dispensing.

Probable Assignee: GOTHREAU JOHN R

Earliest Publication Date: 19640114

59) Family number: 65808120 (WO17086842A1)

© PatBase

INSERT **DISPENSER FOR **SHEET** PRODUCTS, CABINET FOR MOUNTING AN INSERT DISPENSER AND USE OF INSERT DISPENSER IN A CABINET**

Abstract: The present disclosure relates to an insert dispenser (1) intended for installation in a cabinet (50). The dispenser comprises a frame (10) partly defining an interior volume (11) for supporting a stack of sheets products, said frame having a frame panel portion (6, 7, 8) extending in a transverse direction (Y) and provided with first and second opposite transverse edge surfaces (14, 16), said dispenser further comprises a dispensing opening (5). Moreover, said dispenser (1) further comprises an abutment panel (38) extending in the transverse direction (Y) and having an abutment surface (37) for abutting a cabinet front door surface (54a) and a frame facing surface (39) connected to said first transverse edge surface (14) of the frame panel portion. The present disclosure further relates to a cabinet comprises a cabinet front door (54), a housing (60) defining an inner depth (E) in a transverse direction (Y), a dispensing outlet (52) for sheet products and an insert dispenser (1) comprises a dispensing opening (5).

Probable Assignee: SCA HYGIENE PROD AB

Earliest Publication Date: 20170526

60) Family number: 28619032 (US4790436A)

© PatBase

RESEALABLE DISPENSER-CONTAINER

Abstract: Source: US4790436A A resealable dispenser-container comprising: one or more containers, made of a flexible sheet; and a shape maintaining member, made of a material harder than the container. The container contains contents, such as wet tissues, cookies, biscuits, nails, and has an opening for dispensing the contents therethrough or a weakened line for forming the opening. A flap made of a flexible sheet material covers the opening or weakened line and is repeatedly attached to or removed from the container by means of a pressure sensitive adhesive. The shape maintaining member is formed in a box, a plate or a frame and has an opening or a weakened line for forming the opening which opening or weakened line is larger than the opening or weakened line formed in the container. The opening or weakened line formed on the container being located within the opening or a region surrounded by the weakened line formed in the shape maintaining member. The sheet of the container being fixed to the shape maintaining member at a position near the opening or weakened line formed in the container.

Probable Assignee: ELUCI CO INC

Earliest Publication Date: 19871224