

Search query (7): [SP]: brief description of the drawing figures in the following, the invention will be briefly discussed, by way of example only, by reference to the accompanying drawings. fig. 1 schematically shows the relevant parts of a dispenser. fig. 2 shows the major components of the conveying device as well as a tear bar of an apparatus for dispensing. fig. 3 conceptually shows the technology. fig. 4 shows a cross section of a solid brush. fig. 5 shows an example of a slip ring. fig. 6 shows an example of the arc gap. fig. 7 is a cross sectional view of an alternative embodiment of the arc gap. fig. 8 shows the arc gap mounted inside the casing of the dispenser. fig. 9 shows the arc gap mounted outside the casing of the dispenser. fig. 10 shows one option for the ground. fig. 11 shows a connection option for the ground, where a lead is on the outside of the rear panel. fig. 12 shows another connection option for the ground. fig. 13 shows a brush configuration that can collect static charges from more than one site. fig. 14 shows the top row of brushes in contact with a roll. fig. 15 shows a view where the bottom row of brushes extends out from under roll to contact the tear bar. fig. 16 shows a single row of brushes. fig. 17 shows the potential distribution in an arc as a function of distance. fig. 18 shows the voltage to current relationship.

Results: 19

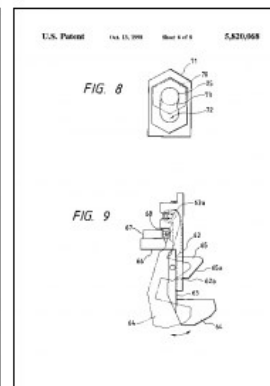
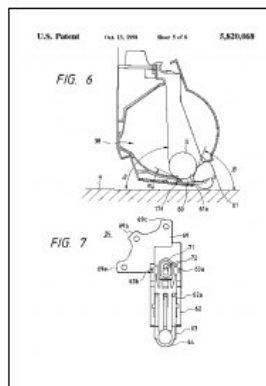
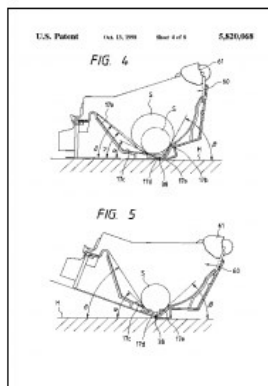
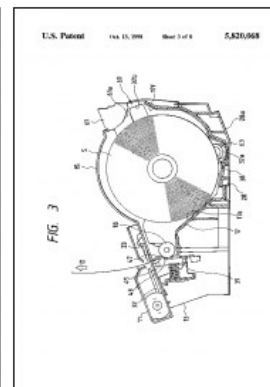
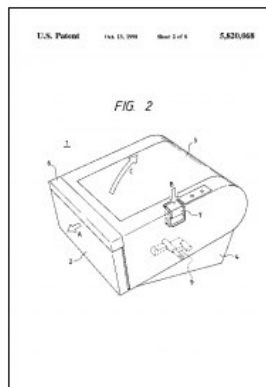
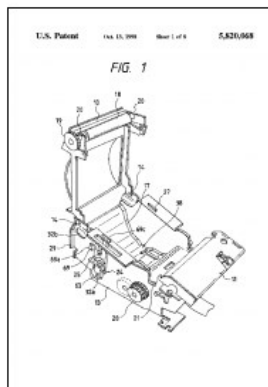
Title:
Printer with paper end detection

Abstract:
Source: US5820068A A printer in which a rolled recording paper is housed in a main unit, the printer includes: a housing unit which houses the recording paper, and which has plural guiding portions which cause the recording paper to be located at a predetermined position as a roll diameter of the recording paper becomes smaller; and paper end detecting unit having a detecting element, for, when the detecting element enters a space in a core portion of the recording paper, detecting that remaining amount of the recording paper is reduced to a fixed level or less, wherein the paper end ...

Probable Assignee:
SEIKO EPSON CORP

Assignee(s):(std):
SEIKO EPSON CORP

Assignee(s):
SEIKO EPSON CORP JP ; SEIKO EPSON CORP TOKIO TOKYO



2 more images available

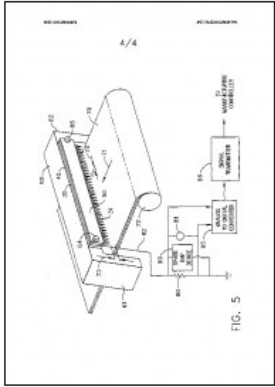
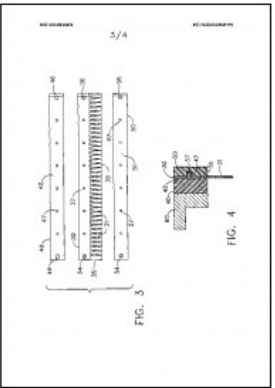
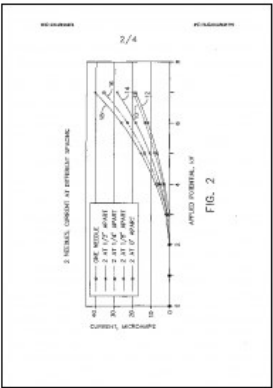
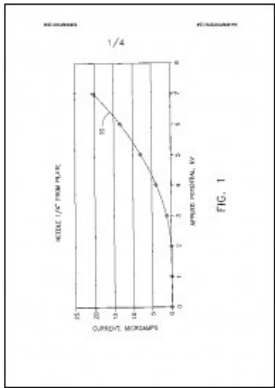
Title:
APPARATUS FOR ELIMINATING STATIC ELECTRICAL CHARGES FROM A WEB OF DIELECTRIC SHEET MATERIAL

Abstract:
Source: US2004027778A An apparatus is taught for draining static electrical charges build-up on a traveling web of dielectric material. The apparatus includes discharge means comprised of a metal member having one end formed into at least one needle point projection. The discharge means is connected to ground potential and mounted in close proximity to the traveling web. Responsive to concentrated static electrical charges the discharge means causes ionization of the gasses surrounding the discharge means, thereby draining the static electrical charges to the ground potential through the ...

Probable Assignee:
HONEYWELL INT INC

Assignee(s):(std):
AXELROD STEVE ; BEAMAN ROBERT L ; CHASE LEE M ; HONEYWELL INT INC ; TAO LEON

Assignee(s):
HONEYWELL INTERNATIONAL INC ; HONEYWELL INTIONAL ; HONEYWELL INT



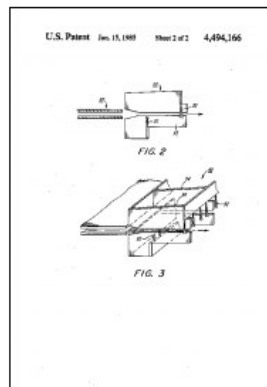
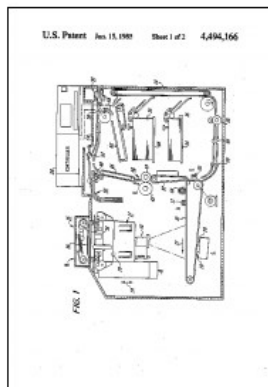
Title:
Printing machine with static elimination system

Abstract:
Source: US4494166A A printing machine includes at least two grounded carbon fiber brush static eliminators mounted in a molded plastic baffle assembly that optimizes discharge characteristics. The eliminators are mounted such that one brush contacts sheets moving through the machine while the other brush remains out of contact with the sheets in order to minimize fluctuations in static reduction over machine life.

Probable Assignee:
XEROX CORP

Assignee(s):(std):
XEROX CORP

Assignee(s):
BILLINGS PHILIP A ; FRANKS WILLIAM S JR



Title:
DOPED CONJUGATED POLYMERS, DEVICES, AND
METHODS OF MAKING DEVICES

Abstract:

Source: US2009256117A Use of certain materials in hole injection or hole transport layers can improve the operational lifetimes in organic electronic devices. Compositions comprising a doped conjugated polymer, doped with a redox dopant, including iodonium salt, can increase lifetimes. Inks can be formulated and cast as films in organic electronic devices including OLEDs, PHOLEDs, and OPVs. One embodiment provides a composition with a conjugated polymer doped with a redox dopant. Non-aqueous based inks can be formulated. Iodonium salts can be used.

Probable Assignee:

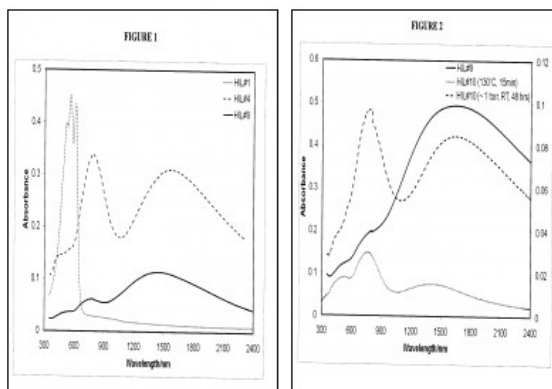
NISSAN CHEMICAL IND LTD

Assignee(s):(std):

BENSON SMITH JESSICA ; BROWN CHRISTOPHER T ;
CHRISTOPHER T BROWN ; SESHADRI
VENKATARAMANAN ; PLEXTRONICS INC ; JESSICA
BENSON SMITH ; EDWARD S YANG ; SCA TISSUE
NORTH AMERICA LLC ; SANYO CHEMICAL IND LTD ;
YANG EDWARD S ; VENKATARAMANAN SESHADRI ;
SOLVAY USA INC

Assignee(s):

SOLVAY USA INC CRANBURY ; 3533899 INC ;
SOLVAY NORTH AMERICA INVESTMENTS LLC ;
NISSAN CHEMICAL IND LTD ; SOLVAY AMERICA INC



Title:
FIELD EMISSION BASED PHOTOSENSITIVE DRUM
FOR IMAGE FORMING APPARATUS

Abstract:

Source: US2008043086A A photosensitive drum for image forming apparatus includes an inner roller, an outer roller and a photoelectric conversion layer. The inner roller of circular cylindrical shape is formed by a cathode substrate. The outer surface of the circular cylinder is configured with a plurality of cathode units. The outer roller of hollow circular cylindrical shape is formed by an anode substrate. The inner diameter of the outer roller is greater than that of the inner roller such that the inner roller is snugly fitted inside the outer roller. The anode substrate includes a ...

Probable Assignee:

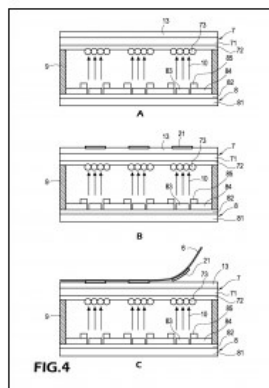
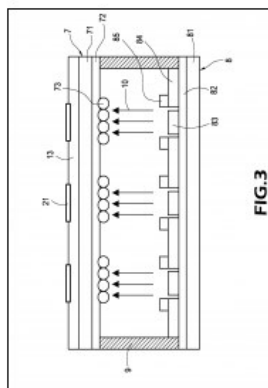
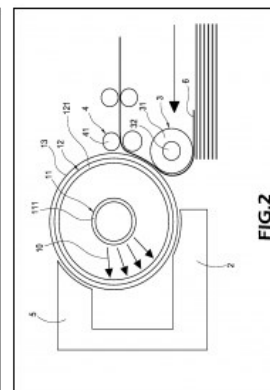
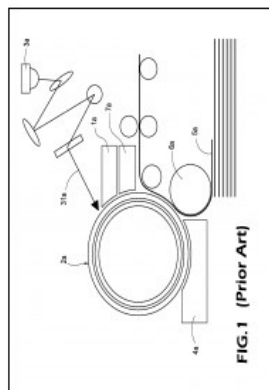
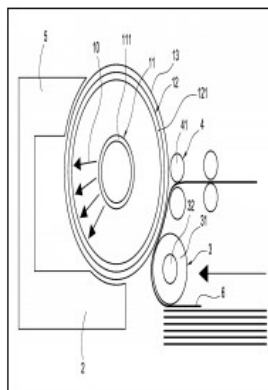
TECO ELECTRIC AND MACHINERY CO LTD

Assignee(s):(std):

CHAN TE FONG ; CHENG KUEI WEN ; JENG JENG YWAN

Assignee(s):

TECO ELECTRIC AND MACHINERY CO LTD



Title:
SHEET PRODUCT DISPENSER WITH AUXILIARY FEED
BUTTON

Abstract:

Source: US2013079923A A sheet product dispenser includes a housing having a front cover, a main controller, a motor, a dispensing mechanism, a maintenance switch, and an auxiliary feed push button. The motor, main controller and dispensing mechanism are configured to dispense a length of sheet product in response to a signal representative of a request for sheet product. The maintenance switch is internally disposed within the housing and accessible for actuation when the front cover is open, in operable communication with the main controller to facilitate operation of the motor when ...

Probable Assignee:

GEORGIA PACIFIC CONSUMER PROD

Assignee(s):(std):

CITTADINO ANTONIO M ; GEORGIA PACIFIC
CONSUMER PROD ; REEB RONALD RICHARD

Assignee(s):

GEORGIA PACIFIC CONSUMER PRODUCTS LP

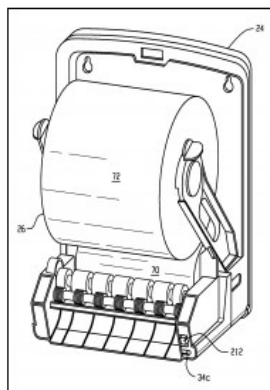


Fig. 1

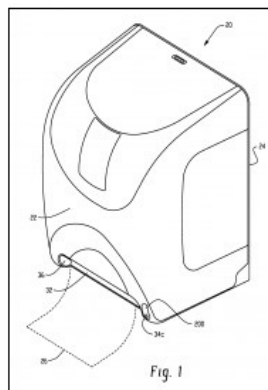


Fig. 2

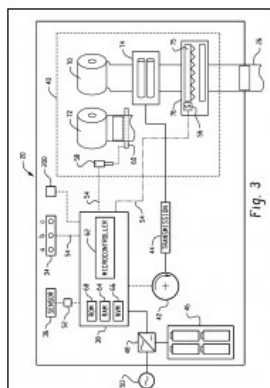
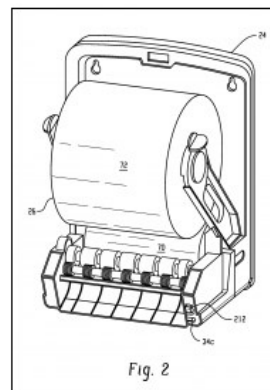


Fig. 3

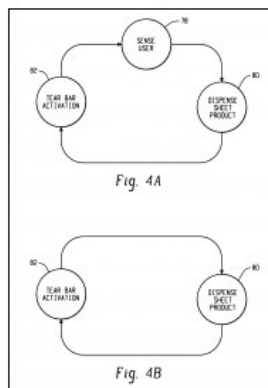


Fig. 4B

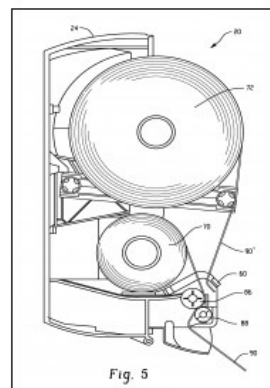


Fig. 5

9 more images available

Title:
APPARATUS WITH ARC GENERATOR FOR
DISPENSING ABSORBENT SHEET PRODUCTS

Abstract:

Source: US2012097699A A dispenser can include a charge collector, an arc gap and a ground, where the arc gap is between the charge collector and the ground. The arc gap provides high impedance and can be set to a distance of from about 0.1 to about 0.01 inches. The technology operates by collecting charge from at one charge generating site with at least one charge collector and sending the charge to ground through the arc gap, the arc gap being between the at least one charge collector and the ground.

Probable Assignee:

SCA HYGIENE PRODUCTS AB

Assignee(s):(std):

SCA HYGIENE PRODUITS AB ; WIESER RUSSELL G ;
WIESER JOSEPH ; SCA TISSUE NORTH AMERICA
LLC ; FORMON JOHN S ; SCA HYGIENE PROD AB

Assignee(s):

SCA HYGIENE PRODUCTS AB

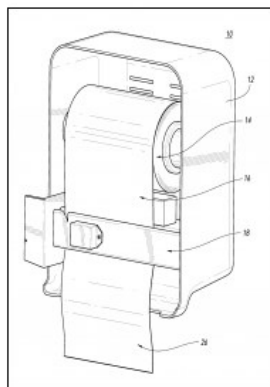


Fig. 1

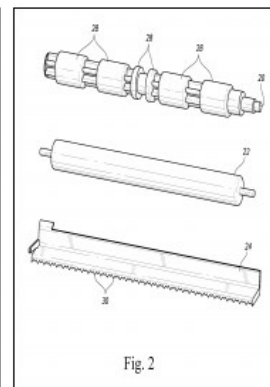


Fig. 2

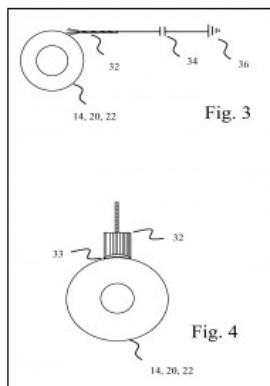


Fig. 3

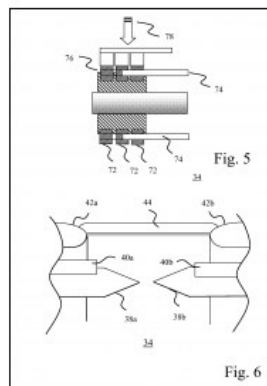


Fig. 5

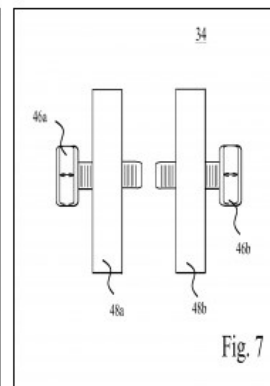


Fig. 7

8 more images available

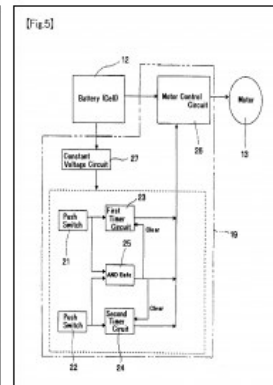
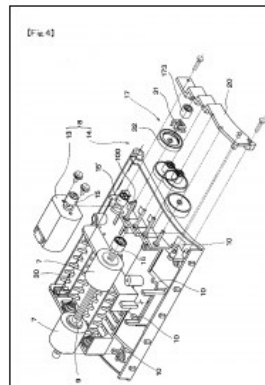
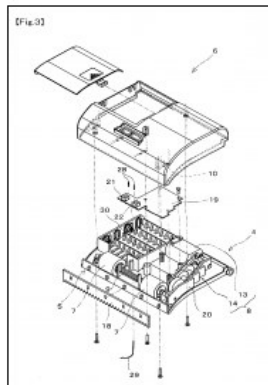
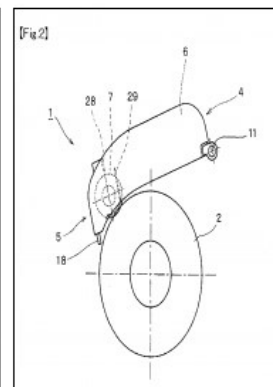
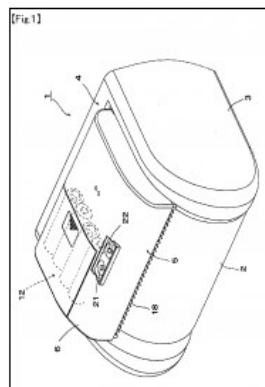
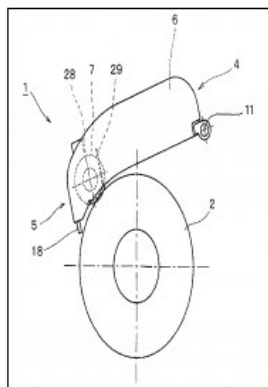
Title:
ROLLED PAPER FEEDING DEVICE

Abstract:
Source: US2005017119A A rolled paper feeding device includes a holder body which rotatably supports a rolled paper, a cover part where one end of which is rotatably supported in a contacting and separating direction with respect to the rolled paper and the other end of which abuts with the rolled paper, a feed roller which is provided in the cover part for feeding a paper of the rolled paper, and a drive part which is provided in the cover part for rotationally driving the feed roller. The feed roller is arranged on the other end side with respect to the center of the rolled paper. A control ...

Probable Assignee:
SANKYO SEIKI MFG CO LTD

Assignee(s):(std):
NIDEC SANKYO CORP ; SANKYO SEIKI SEISAKUSHO KK

Assignee(s):
FUKASAWA HIROMI ; HOSHI KAZUKI ; OWA JUNJI ; SANKYO SEIKI MFG CO ; SANKYO SEIKI MFG CO LTD



7 more images available

Title:
ROTARY ACTUATOR

Abstract:

Source: WO08053393A2 Electromechanical rotary actuator (52) for moving shutters (13) of gates or doors, comprising a motor enclosed in a casing (50), a rotating arm (56) connected to the motor for moving the shutter or swinging door, a movable catcher (72) for defining a stop of the rotating arm (56), a cover (58) over the rotation centre of the arm (56), characterised in that the catcher (72) is mounted outside the cover (58).

Probable Assignee:

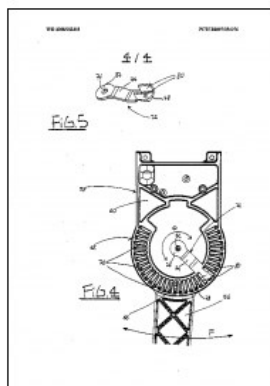
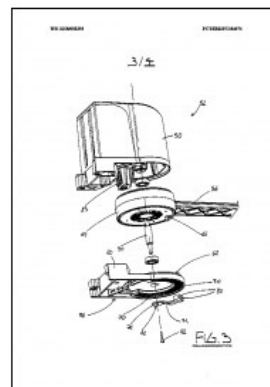
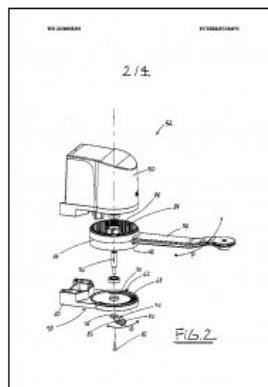
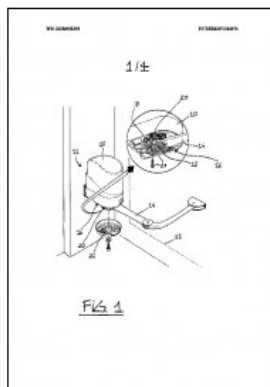
NICE SPA

Assignee(s):(std):

FURLANETTO CHRISTIAN ; FURLANETTO CRISTIAN ;
GALBERTI LORENZO ; NICE S P A ; NICE SPA

Assignee(s):

NICE S P A ODERZO



Title:
STATIC BUILD UP CONTROL IN ELECTRONIC
DISPENSING SYSTEMS

Abstract:

Source: US2002109034A Apparatus for dispensing paper from rolls which feeds continuously, roll to roll, and does not require extra procedure to bring stub roll into position. The apparatus has means for holding and positioning at least first and second rolls of paper with respect to each other; means for dispensing paper from the first roll; means for dispensing paper from the first and second rolls simultaneously when the first roll reduces to a predetermined diameter of paper, means for positioning the depleted first roll for replacement without the necessity of removing the second roll; ...

Probable Assignee:

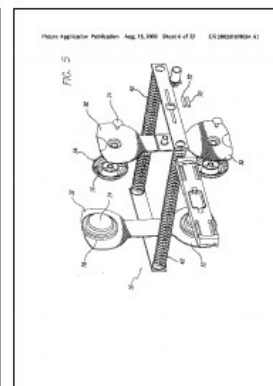
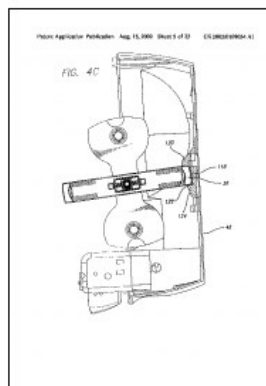
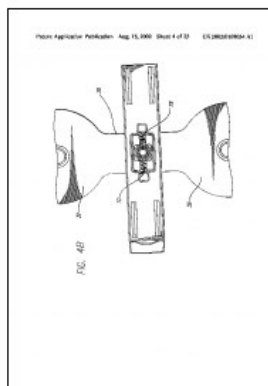
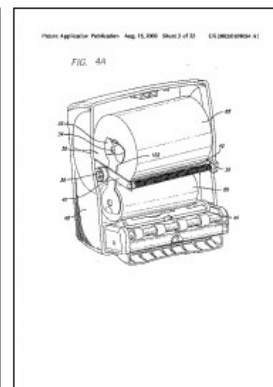
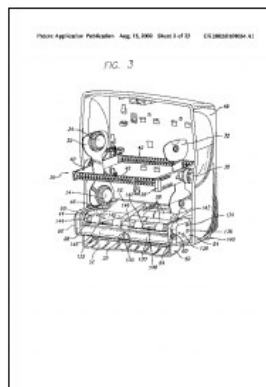
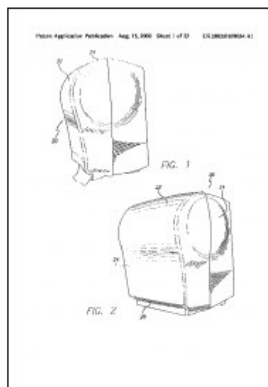
GEORGIA PACIFIC CORP

Assignee(s):(std):

BROEHL JOSHUA M ; GEORGIA PACIFIC RESINS ; GEORGIA PACIFIC CORP ; GEORGIA PACIFIC CONSUMER OPERA ; GEORGIA PACIFIC CONSUMER PROD ; MOODY JOHN R

Assignee(s):

MYERS GARY EDWIN ; GROEZINGER CHARLES W ; KNITTLE JOHN J ; LINSTEDT BRIAN KENNETH ; HAYES ROBERT JAMES ; MERZ GREGORY JAMES ; YARDLEY CRAIG D ; KNITTLE JOHN JOSEPH ; MERZ GREGORY J ; HAYES ROBERT J ; LINSTEDT BRIAN K ; GP CELLULOSE GMBH ZUG SWITZERLAND LIABILITY CO LTD ; MYERS GARY E ; GEORGIA PACIFIC CONSUMER PRODUCTS LP DELAWARE LIABILITY CO LTD ; GEORGIA PACIFIC CORRUGATED LLC DELAWARE LIABILITY CO LTD ; GEORGIA PACIFIC GYPSUM LLC DELAWARE LIABILITY CO LTD ; GEORGIA PACIFIC LLC DELAWARE PARTNERSHIP LTD ; GEORGIA PACIFIC WOOD PRODUCTS LLC DELAWARE LIABILITY CO LTD ; GEORGIA PACIFIC CONSUMER PRODUCTS LP ATLANTA ; GEORGIA PACIFIC CONSUMER PRODUCTS LP ; GEORGIA PACIFIC RESINS INC ; GEORGIA PACIFIC CONSUMER PRODUCTS LLC ; GEORGIA PACIFIC CONSUMER OPERATIONS LLC ; GEORGIA PACIFIC CORP ATLANTA ; BROEHL JOSHUA MICHAEL ; CITICORP NORTH AMERICA INC ; COLOR BOX LLC DELAWARE LIABILITY CO LTD ; DENEN DENNIS J ; DENEN DENNIS JOSEPH ; DIXIE CONSUMER PRODUCTS LLC DELAWARE LIABILITY CO LTD ; GEORGIA PACIFIC CHEMICALS LLC DELAWARE LIABILITY CO LTD



17 more images available

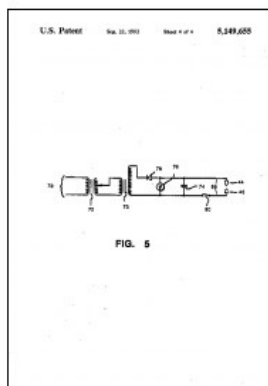
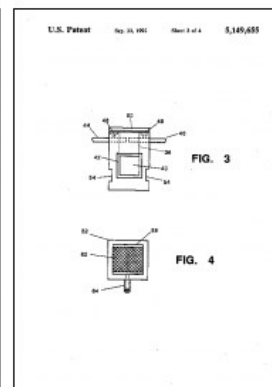
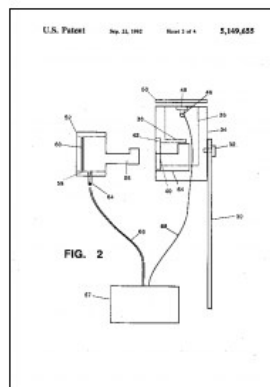
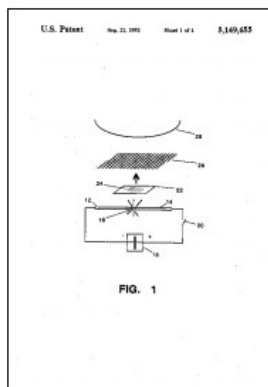
Title:
APPARATUS FOR GENETIC TRANSFORMATION

Abstract:
Source: US5149655A An apparatus for the particle mediated genetic transformation of organisms in vivo has two parts, a support unit and a hand unit. The hand unit is of a convenient hand manipulable size so that it can be placed readily against the organism the cells of which are to be transformed. The hand unit is connected to the support unit by a flexible umbilical so that the hand unit can be placed where desired. The apparatus is particularly well adapted for the convenient transformation of somatic cells of whole animals or humans.

Probable Assignee:
POWDERJECT VACCINES INC

Assignee(s):(std):
AGRACETUS ; AGRACETUS INC ; AURAGEN INC

Assignee(s):
AURAGEN INC MADISON WIS US ; MARTINELL BRIAN J ; POWDERJECT VACCINES INC ; MCCABE DENNIS E



Title:
GROUNDING DEVICE FOR DOCUMENT CONVEYING
DEVICE

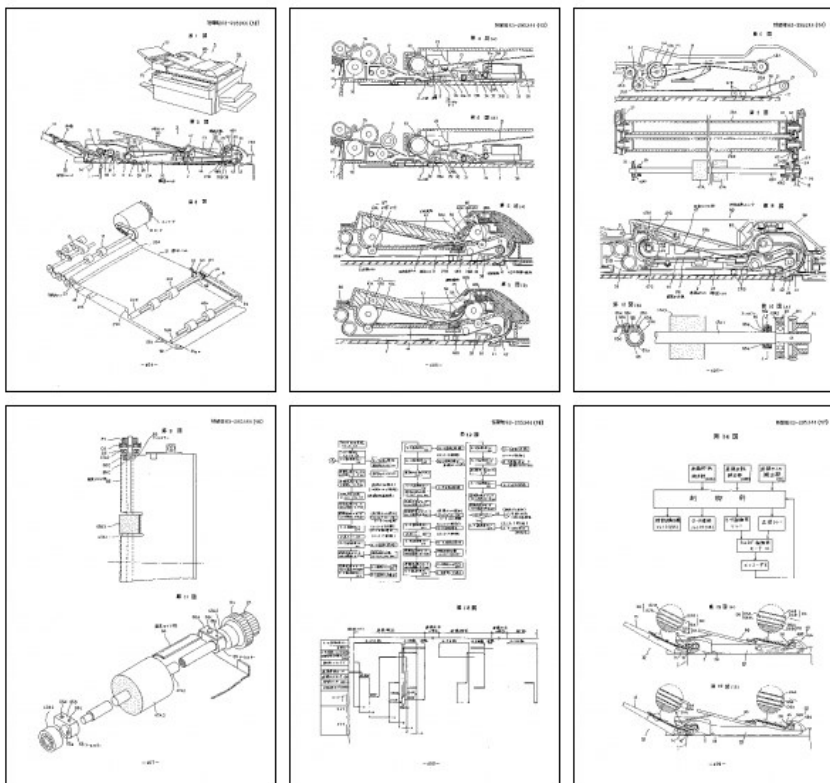
Abstract:

Source: JP63295344A PURPOSE:To ensure the grounding of the rotary member of a document conveying device without hindrance in the drive of the rotary member by providing a grounded conductive member which is partly slidably brought into contact with the rotary member for driving the conveyance of documents of a discharged paper inverting unit. CONSTITUTION:As a document slides on a document glass 2 and is sent out to a send-out passage 41 of a discharged paper inverting unit 40 by means of a conveying belt 21, the surface of the document is electrified with a static electricity and, in ...

Probable Assignee:
KONISHIROKU PHOTO IND

Assignee(s):(std):
KONISHIROKU PHOTO IND

Assignee(s):
KONICA CORP



Title:

Apparatus and method for optimizing image transfer environment in an electrophotographic system

Abstract:

Source: US6253037B An apparatus and a method for optimizing an image transfer environment in an electrophotographic developing device is provided. The apparatus includes at least one or more discharging parts disposed on a printing path, contacting with a printing paper as it is fed, for discharging electrostatic electricity formed on the printing paper; a feeder roller made of a conductive material, for electrically detecting an amount of humidity contained in the printing paper and for feeding the printing paper between the transfer roller and the photosensitive drum; and a ground ...

Probable Assignee:

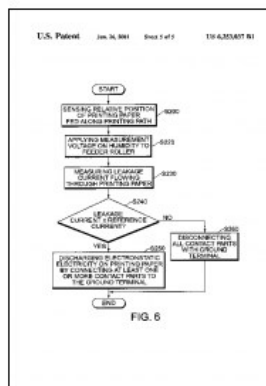
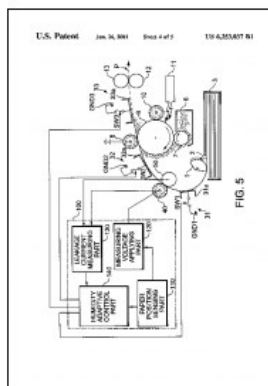
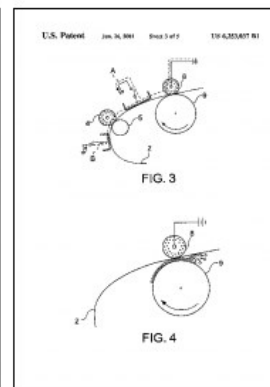
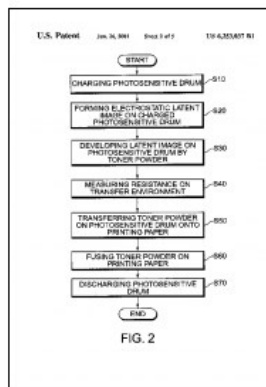
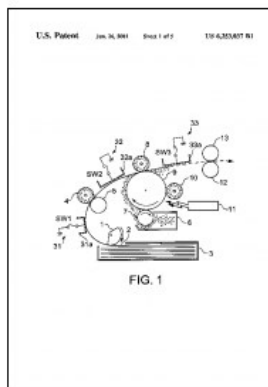
SAMSUNG ELECTRONICS CO LTD

Assignee(s):(std):

SAMSUNG ELECTRONICS CO LTD

Assignee(s):

SAMSUNG ELECTRONICS CO



Title:

Device for removing electrostatic charge

Abstract:

Source: US4831488A A charge-removing device intended to eliminate electrostatic charge from a thin dielectric strip, and in particular a rolled dielectric film. The device comprises at least two electrically conductive rolls (4,5) forming electrodes which are subjected to a potential difference by a low frequency high tension source. These rolls are parallel and come into transverse contact at the same time with respective faces of a thin strip dielectric (1) passing therebetween. The invention is applicable, in particular, to electrostatic type printers.

Probable Assignee:

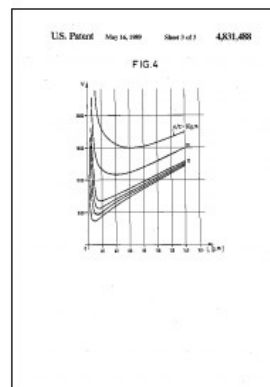
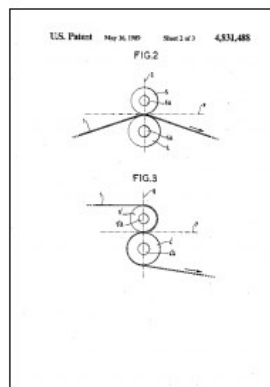
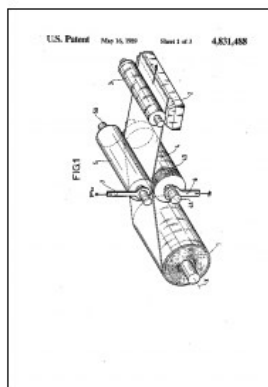
ALCATEL BUSINESS SYSTEMS

Assignee(s):(std):

ALCATEL BUSINESS SYSTEMS ; TELEPHONIE IND COMMERCIALE

Assignee(s):

TELIC ALCATEL ; LA TELEPHONIE INDUSTRIELLE ET COMMERCIALE TELIC ALCATEL S A DITE ; ALCATEL BUSINESS SYSTEMS PARIS FR ; ANONYME LA TELEPHONE IND SOC ; LA TELEPHONIE INDUSTRIELLE ET COMMERCIALE TELIC AL ; LA TELEPHONIE INDUSTRIELLE ET COMMERCIALE TELIC ALCATEL



Title:
APPARATUS FOR DISPENSING ABSORBENT SHEET
PRODUCTS AND METHOD FOR MODIFYING SUCH
APPARATUS

Abstract:

Source: US2013105613A An apparatus for dispensing absorbent sheet products includes a store with an absorbent web which is to be dispensed, a conveying mechanism with at least one conveying element for feeding the absorbent web and a mechanism for severing the web so as to form absorbent sheet products. The apparatus further includes a mechanism for collecting electrical charges caused by static electricity, a mechanism for directing electrical charges to another element within the apparatus for dispensing, and a mechanism for neutralising or consuming the electrical charges.

Probable Assignee:

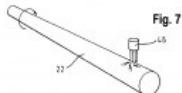
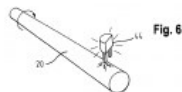
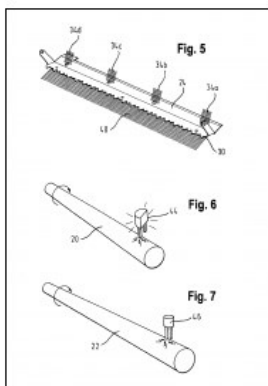
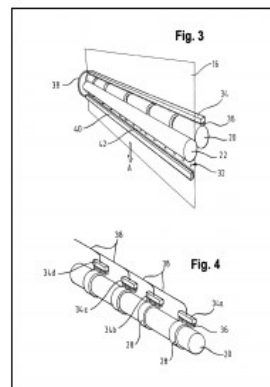
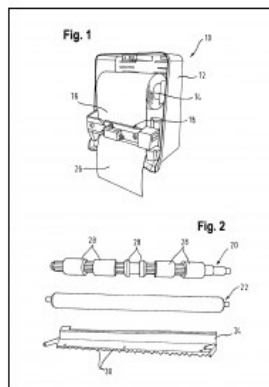
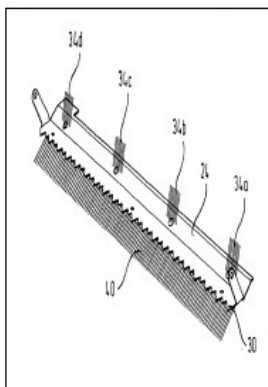
SCA HYGIENE PRODUCTS AB

Assignee(s):(std):

PERSSON DANIEL ; SCA HYGIENE PROD AB ; SCA
HYGIENE PRODUCT AB

Assignee(s):

SCA HYGIENE PRODUCTS AB ; SKA KHAJDZHIN
PRODAKTS AB



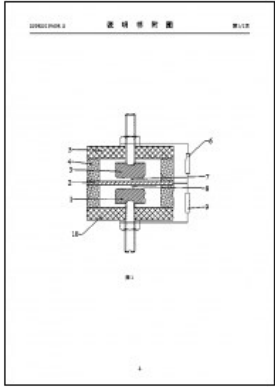
Title:
Adjustable long life spark gap switch

Abstract:
Source: CN201260027Y Disclosed is an adjustable spark gap switch with long service life, which is composed of a high-voltage electrode, a low-voltage electrode, a trigger electrode, an insulating plate, an insulating post and a high-voltage resistor; wherein, the discharging surfaces of the high-voltage electrode, the low-voltage electrode and the trigger electrode are all planes; the high-voltage electrode and the low-voltage electrode can be fixed with the insulating plate through screw thread; and the discharging gap can be adjusted. Two insulating plates can be fixed together through the ...

Probable Assignee:
SHIHONG MA

Assignee(s):(std):
SHIHONG MA

Assignee(s):
MA SHIHONG



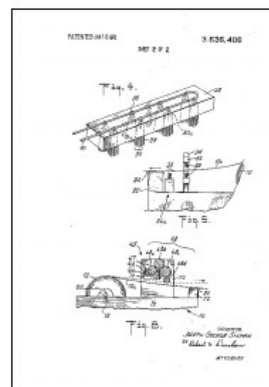
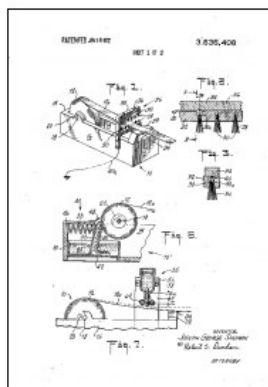
Title:
TAPE DISPENSER WITH STATIC ELECTRICITY
NEUTRALIZER

Abstract:

Source: US3636408A Dispenser for film tapes such as pressure-sensitive adhesive tapes includes a rotatable mounting for a coil of tape so that the tape may be progressively uncoiled upon rotation of the coil and a selective device for dispensing portions of the tape as it is uncoiled. Static electricity on the tape is neutralized during uncoiling by either drawing the tape past a number of electrical conductors, e.g., grounded wires, disposed near the tape or applying to the tape a static neutralizing volatile fluid which is permitted to evaporate before or as the tape is ...

Probable Assignee:
TECHNICAL TAPE CORP

Assignee(s):(std):
DR KONRAD ECKERT ; TECHNICAL TAPE CORP



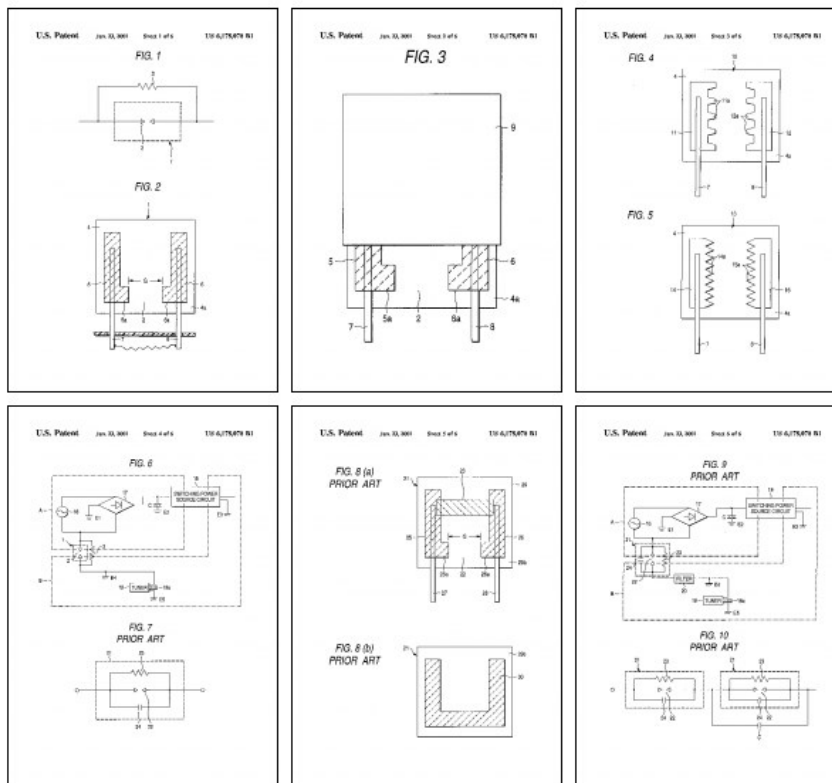
Title:
Discharge gap device and its mounting structure

Abstract:
Source: US6178078B A discharge gap device which is provided between an antenna input terminal or a secondary side earth and a commercial power source, or between the power lines of a commercial power source as a ground discharge countermeasure for electrical equipments such as a television set, a video cassette recorder, and a television and video compound device. The discharge gap device functions only as a discharge gap unit and has two conductors. Normally, the conductors are not electrically connected to each other, and upon application of over-voltage, discharge occurs between the ...

Probable Assignee:
FUNAI ELECTRIC CO LTD

Assignee(s):(std):
FUNAI ELECTRIC CO

Assignee(s):
FUNAI ELECTRIC CO LTD



Title:
Electrode container and electrostatic discharge simulation source device containing the container

Abstract:
Source: CN101452028A The invention discloses an electrode container, comprising a container body, a container bottom is vertical to two side walls and inserted into two electrodes arranged oppositely, wherein a staff gauge which can read a distance between the electrodes is inserted into the bottom of one side of the container body below any electrode, a pressure gauge is arranged above, an air outlet channel and an air outlet channel are welded on the upper side and the lower side of other side of the container body, an air outlet valve and an air inlet valve are respectively arranged on ...

Probable Assignee:
BEIJING SATELLITE ENVIRONMENT

Assignee(s):(std):
BEIJING SATELLITE ENVIRONMENT

Assignee(s):
BEIJING SATELLITE ENVIRONMENT ENGINEERING RESEARCH INSTITUTE

