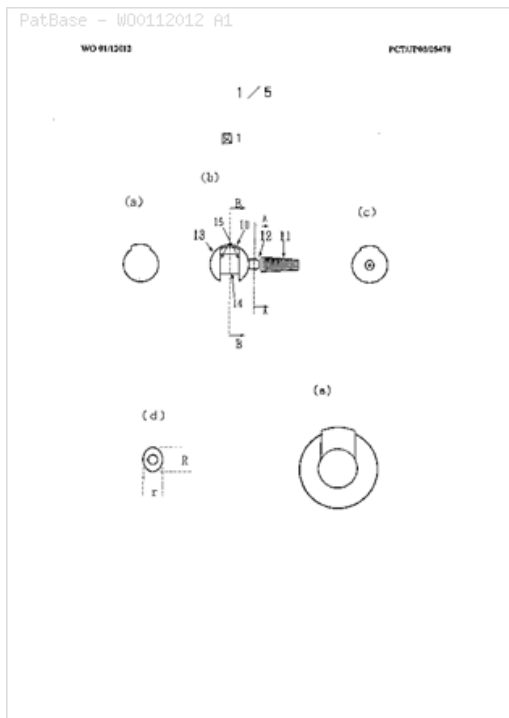
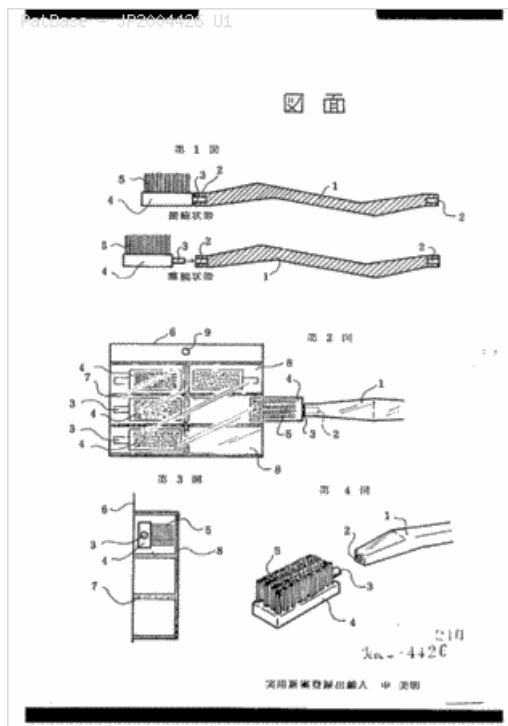






4) Family number: 31263398 (JP2538452 Y2)

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Title: Case for electromotive toothbrush (Machine translation)

Priority: JP19880132983U 19881012

Family:

Publication number	Publication date	Application number	Application date
JP2055820 U1	19900423	JP19880132983U	19881012
JP2538452 Y2	19970618	JP19880132983U	19881012

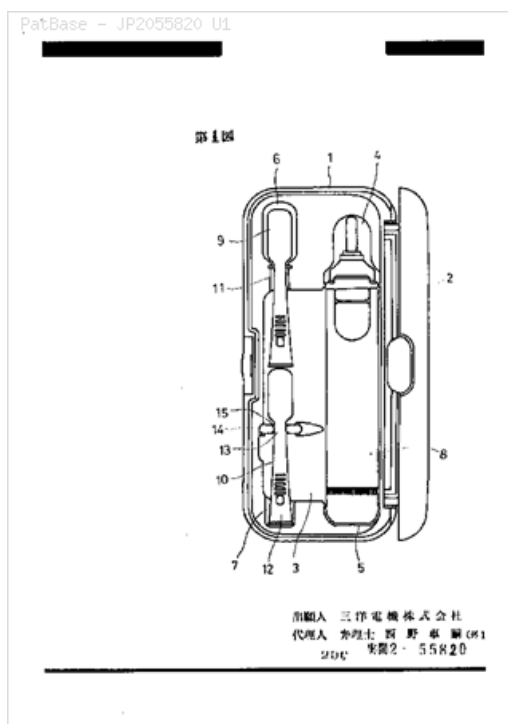
International class (IPC 8-9): A45D44/18 A46B13/02 A46B15/00 A61C17/22

International class (IPC 1-7): A45D44/18 A46B13/02 A46B15/00 A61C17/22

[Classification Explorer](#)

Cited documents: JP53026676 U1,

Forward Citations: JP5854100 B2, JP2015006441 A2, JP5659736 B2, JP2012115298 A2, KR200483518 Y1, WO0112012 A1,



Title: PORTABLE TOOTHBRUSH CASE

Priority: KR20160001541U 20160322

Family:	Publication number	Publication date	Application number	Application date
	KR200483518 Y1	20170525	KR20160001541U	20160322

Probable Assignee: JOO YOUNG IND CO LTD

Assignee(s): JOO YOUNG IND CO LTD

International class A45C 11/00 A46B 17/02 A46B 17/04 A61C 15/00

(IPC 8-9):

CPC: A45C 11/00 A46B 17/02 A46B 17/04 A46B 2200/1066 A61C 15/00

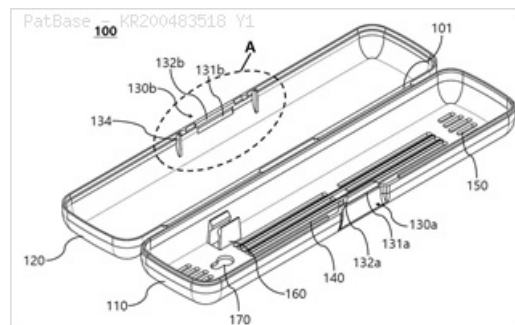
[Classification Explorer](#)

Cited documents: JP58188717 U1, JP2012115298 A2, JP7255526 A2, JP2055820 U1, JP2004049582 A2, JP2010011920 A2, JP2010099424 A2, CN200938918 Y, KR20140001123 U,

Forward Citations: KR20190059684 A,

Abstract:

Source: KR200483518 Y1 **Machine translation:** The subject innovation relates to the case of a portable toothbrush, and more particularly, consists of the upper case and the lower case, is connected to one side and the other side to press the hinge can be opened and closed (? ?) for being able to be portable toothbrush It relates to the case. According to an embodiment of the present invention inside the portable toothbrush case is accommodated in the lower case and the lower case the toothbrush is hinged to one side of the support portion is coupled to the upper case and the lower case and the upper case is formed corresponding to the coupling protrusion and a coupling groove on each side of the support portion is formed, the fastening groove portion formed in the inner side of the side portion of the upper case side of the lower case 21 in close contact with the inner rib protruding portion formed on the inner side of the lower case easily defeated into the gently bent portion 135 formed in the coupling protrusion, the coupling groove (220) to securely support the side portions of the upper case is formed protruding to the left and right inner side of the lower case and the upper case to prevent overlap each other when they are closed, the pressed portion of the top of the inside of the lower case is provided with a predetermined height along the edge portion is formed, the inner rim of the upper case 16, along the bottom of the outer rim portion mounted in correspondence to the inner rim portion is formed, the outer border (Q2) there is a plurality of lower surface of the lower case and down through the opening of the long slot (slot) is formed, the slot is formed to connect between the auxiliary added, the lower case is provided with additional drain The thickness d of the lower surface, the thickness of the auxiliary unit (1.3 ~ 1.5)xt added by the drainage portion is easily bent by the force of a human finger or it can be prevented from being damaged.



6) Family number: 28555143 (JP2003125829 A2)

Title: STORAGE CASE FOR STICK SHAPE MEMBER

Priority: JP20010322617 20011019

Family:	Publication number	Publication date	Application number	Application date
	JP2003125829 A2	20030507	JP20010322617	20011019
	JP4514377 B2	20100728	JP20010322617	20011019

Probable Assignee: YOSHINO KOGYOSHO CO LTD

Assignee(s):(std): UNILEVER NV ; YOSHINO KOGYOSHO CO LTD

Inventor(s):(std): KAWAKUBO YUJI ; MURATA YOSHIYUKI ; SATO HITOSHI

International class A45C 11/00 A45D 40/00 A45D 40/24 B65D 77/26

(IPC 8-9):

International class A45C 11/00 B65D 77/26

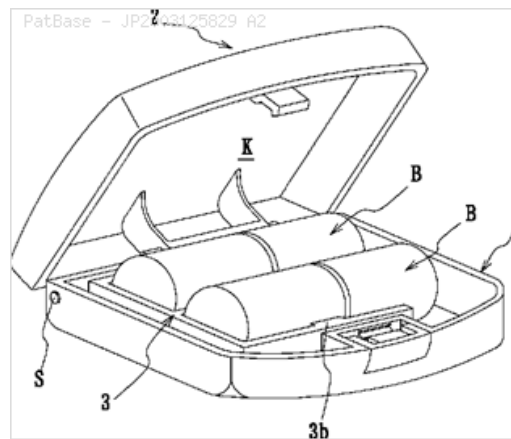
(IPC 1-7):

[Classification Explorer](#)

Forward Citations: JP5854100 B2, JP2015006441 A2,

Abstract:

PROBLEM TO BE SOLVED: To provide a convenient case which can store a cluster of several stick shape members such as a rouge, etc. SOLUTION: This storage case can store at least two cylindrical stick shape members with cap at a time and is equipped with a case main body 1 and a lid body 2 swingably attached to the main body 1 via a pivotal shaft s to form a storage space k. A holder 3 which can detachably hold respective stick shape member with cap in a direction coaxial along the pivotal shaft s and has at least two semi-cylindrical recess parts 3a with length to be a guide when the main body part of a cylindrical stick shape member is put into a cap is equipped in the storage case.



7) Family number: 22302053 (DE816009 A)

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Title: POCKET KNIVES FOR DENTAL CARE (Machine translation)

Priority: DE1950C000619 19500307

Family:	Publication number	Publication date	Application number	Application date
	DE816009 A	19511008	DE1950C000619	19500307

Probable Assignee: MARGUERITE CRAWSHAY

Assignee(s):(std): MARGUERITE CRAWSHAY ; PAUL BELLAN

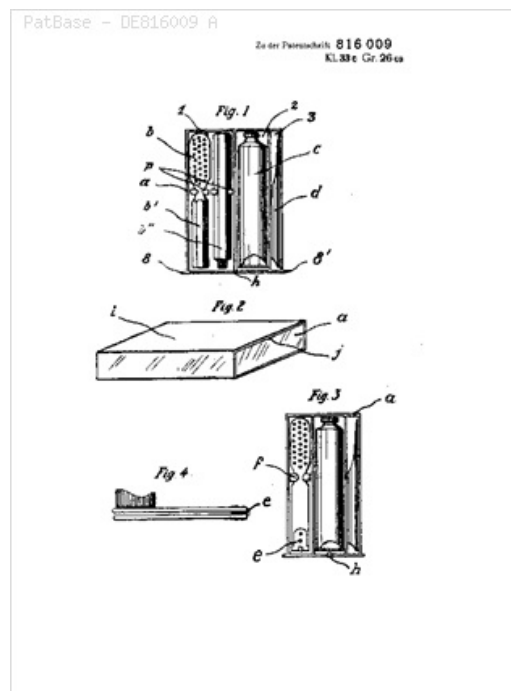
International class
(IPC 8-9): A45D44/00 A45D44/18

International class
(IPC 1-7): A45D44/18

CPC: A45D44/18

[Classification Explorer](#)

Forward Citations: JP5854100 B2, JP2015006441 A2,



8) Family number: 4375676 (EP0216281 A2)

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Title: DENTAL HYGIENE DEVICE

Priority: DE19853533264 19850918

Family:	Publication number	Publication date	Application number	Application date
	DE3533264 A1	19870326	DE19853533264	19850918
	DE3533264 C2	19891130	DE19853533264	19850918
	EP0216281 A2	19870401	EP19860112681	19860913
	EP0216281 A3	19871104	EP19860112681	19860913
	ES2001082 AF	19880416	ES19860001031	19860812
	JP62068410 A2	19870328	JP19860167732	19860716

Probable Assignee: MEIER F VICTORIA PINSEL

Assignee(s):(std): BIKUTORIA PINSERUFUABURIKU FU ; MEIER F VICTORIA PINSEL ; VICTORIA PINSELFABRIK FRIEDRIC

Assignee(s): BIKUTORIA PINSERUFUABURIKU FURENDORITSUHI MAIERU ; BIKUTORIA PINSERUFUABURIKU FURENDORITSUHI MAIERU GMBH AND CO KG ; VICTORIA PINSELFABRIK FRIEDRICH MEIER GMBH AND CO ; VICTORIA PINSELFABRIK FRIEDRICH MEIER GMBH AND CO KG ; VICTORIA PINSELFABRIK FRIEDRICH MEIER GMBH AND CO KG 8809 BECHHOFEN DE

Inventor(s):(std): FITJER HOLGER ; HORUGAA FUITSUCHIERU ; KARL GEORG

Inventor(s): VERZICHT DES ERFINDERS AUF NENNUNG

Designated states: AT BE CH DE FR GB IT LI LU NL SE

International class (IPC 8-9): A46B15/00 A61C15/00 A61C17/00 A61C17/02

International class (IPC 1-7): A46B15/00 A61C15/00 A61C17/0 A61C17/00

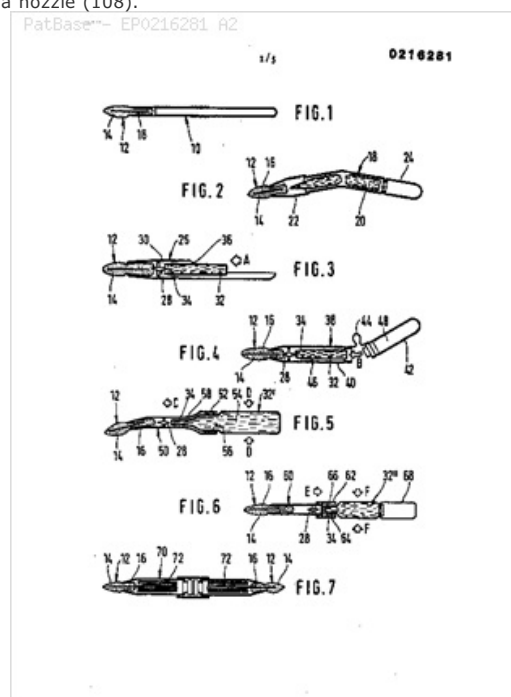
CPC: A61C15/00 A61C17/02

[Classification Explorer](#)

Cited documents: FR706612 A, US3677264 A, US4083078 A, US3939522 A, US2131676 A, US1343240 A, GB1585405 A, FR667393 A, FR391759 A, DE8217254 U, DE8134787 U, DE8006416 U, DE471952 A, DE2901136 A1, CH78333 A, CH504203 A,

Forward Citations: JP5854100 B2, JP2015006441 A2, US7215788 BB, US7577260 BA, US7515719 BB, GB2197203 A1, FR2784285 A1, GB2197203 B2, DE19607742 C2,

Abstract:
The device comprises a handle part (10,18;26;38;50;60;74;90; 112) and a dental hygiene part (12,12') carried by the handle part. The dental hygiene part (12,12') is a sponge (14), a brush (106) or a nozzle (108).



9) Family number: 50017647 (US2013061867 AA)

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Title: COLOR HIGHLIGHTING COSMETICS CONTAINER INCLUDING A DETACHABLE MAKEUP BRUSH

Priority: KR20100048595 20100525 WO2011KR03591 20110517 EP20110786843 20110517

Family:

Publication number	Publication date	Application number	Application date
CN102905575 A	20130130	CN201180025390	20110517
CN102905575 B	20150708	CN201180025390	20110517
DE602011042352 D1	20171123	DE201160042352T	20110517
EP2578111 A2	20130410	EP20110786843	20110517
EP2578111 A4	20140108	EP20110786843	20110517
EP2578111 B1	20171011	EP20110786843	20110517
ES2651616 T3	20180129	ES20110786843T	20110517
JP2013526397 T2	20130624	JP20130512525T	20110517
KR101173642 B1	20120813	KR20100048595	20100525
KR20110129135 A	20111201	KR20100048595	20100525
US2013061867 AA	20130314	US20110699292	20110517
US8770209 BB	20140708	US20110699292	20110517
WO11149210 A2	20111201	WO2011KR03591	20110517
WO11149210 A3	20120308	WO2011KR03591	20110517

Probable Assignee: YONWOO CO LTD

Assignee(s):(std): JUNG HAE YOUNG ; JUNG SHIN BOK ; KIM HEE YOUNG ; KIM YOU SEOB ; YON WOO CO LTD ; YONWOO INC

Assignee(s): YONWOO CO

Inventor(s):(std): JUNG HAE YOUNG ; JUNG SHIN BOK ; KIM HEE YOUNG ; KIM YOU SEOB ; KIM YU SEOB

Agent(s): LEHMANN MARIA ISABEL; PATENTANWALTSKANZLEI WILHELM AND BECK; WILHELM AND BECK; YOO BYUNG OAK

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8-9): A45C 11/00 A45D33/00 A45D33/24 A45D33/26 A45D33/28 A45D40/18 A45D40/24 A45D44/18 A46B15/00 A46B5/00 B65D69/00 B65D71/00 B65D83/10

CPC: A45D33/006 A45D33/008 A45D33/26 A45D34/042 A45D40/18 A46B2200/1046 A46B5/0016 A46B5/0095

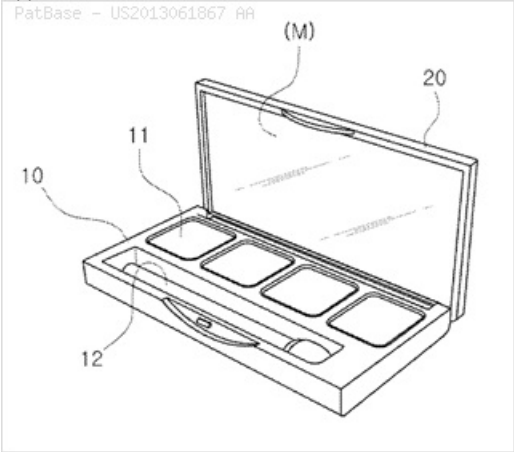
US class: 132/293 132/294 132/297 132/313 132/318 206/362 206/581 206/823

[Classification Explorer](#)

Cited documents: US8371313 BB, US8132285 BB, US8074666 BB, US8066014 BB, US6886695 BA, US6886571 BB, US6796431 BA, US6510578 BA, US6502585 BA, US6450179 BB, US6237612 BA, US6039052 A, US5992423 A, US5586653 A, US5107984 A, US4562923 A, US4471874 A, US2823681 A, US2748414 A, US2426418 A, US2013125921 AA, US2013014338 AA, US2012260931 AA, US2012125362 AA, US2012055505 AA, US2010300470 AA, US2010095973 AA, US2008302383 AA, US2008105274 AA, US2004200748 AA, US2003145872 AA, US2003046780 AA, US1730555 A, US1503979 A, KR200362273 Y, JP2004243015, JP63088216 U1, JP63088216 U, JP62165908 U1, JP62165908 U, JP58152207 U1, JP58152207 U, JP2086424 U1, US5150495 A, US2010051049 AA, US2010050352 AA, US2008283083 AA, US2004168700 AA, KR200362273 Y1, JP2004243015 A2, US3759375 A, US2008138138 AA, CN201067174 Y,

Forward Citations: US10791822 BB, US2019069661 AA, US2018116386 AA, US10206483 BB, US2017095059 AA, US9743742 BB, USD785943 S1, US9480322 BB, WO16118891 A1, US2015075556 AA, USD886385 S1, USD877417 S1, USD863685 S1, USD861992 S1, USD860539 S1, CN108348055 A, USD850006 S1, USD843660 S1, USD836842 S1, USD831889 S1, USD815358 S1, JP5854100 B2, US9326595 BB, JP2015006441 A2, US2013199556 AA, US2013104927 AA, WO18079870 A1, US2015282593 AA, KR20160095349 A, CN110680078 A,

Abstract:
The present invention relates to a color highlighting cosmetics container including a detachable makeup brush, and more particularly to a color highlighting cosmetics container including a body having a plurality of receiving grooves partitions for storing contents and a cover for closing/opening the body. The body includes a plurality of brushes, a brush supporter from which the plurality of brushes is detachable, and brush-receiving grooves and a brush-supporter-receiving groove on which the plurality of brushes and the brush supporters are mounted, respectively. As a result, the plurality of brushes are detachable from the brush supporter. Therefore, the brushes can be replaced using the brush supporter.



10) Family number: 35201667 (JP1158732 U1)

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Title: Receipt case of electromotive toothbrush (Machine translation)

Priority: JP19880054784U 19880422

Family:

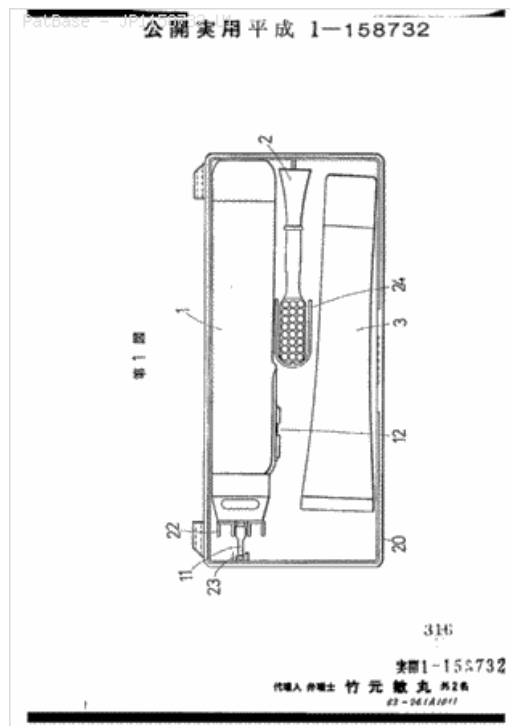
Publication number	Publication date	Application number	Application date
JP1158732 U1	19891102	JP19880054784U	19880422

International class (IPC 8-9): A45D44/00 A45D44/18 A46B17/00 A46B17/04

International class (IPC 1-7): A46B17/04

[Classification Explorer](#)

Forward Citations: JP5659736 B2, JP2012115298 A2,



11) Family number: 53556892 (GB2521803 A1)

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Title: IMPROVEMENTS IN ELECTRIC TOOTHBRUSH TRAVEL CONTAINERS

Priority: GB20130002850 20130219

Family:

Publication number	Publication date	Application number	Application date
GB201302850 A0	20130403	GB20130002850	20130219
GB2521803 A1	20150708	GB20130002850	20130219

Probable Assignee: MCCALL GERARD

Assignee(s):(std): MCCALL GERARD

Assignee(s): GERARD MCCALL

Inventor(s):(std): MCCALL GERARD

Inventor(s): GERARD MCCALL

International class (IPC 8-9): A45D44/18 A46B17/00 A61C19/02

CPC: A45D44/18 A46B15/0093 A61C17/22 A61C19/02 A46B17/00

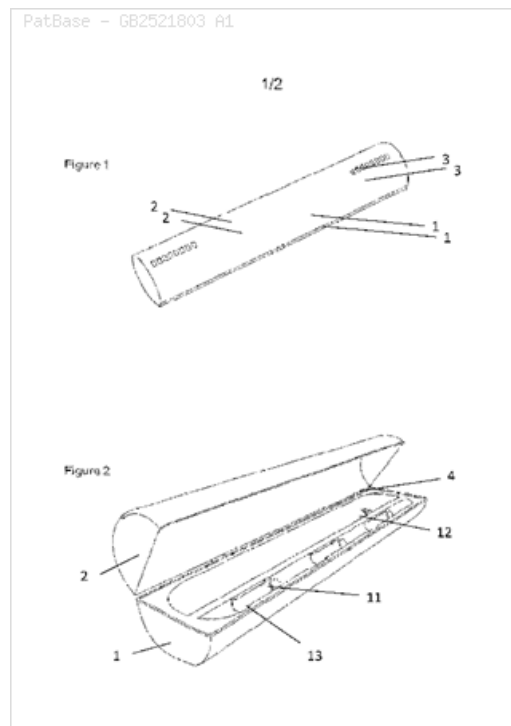
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Cited documents: USD474034 S1, US2009038656 AA, JP2012115298 A2, JP7255526 A2,

Forward Citations: EP3500211 B1, RU2719027 C1, JP6694927 B2, JP2019010521 A2, AU2016422842 BB, WO18048381 A1,

Abstract:

A storage container for an electric toothbrush comprises: a casing 2 capable of withstanding moderate pressure and internal moulds 11, 12, 13 capable of securing one or more toothbrush components; the case may include perforations for increased ventilation and an antibacterial or antifungal material; the case is preferably made from a dishwasher safe plastic.

**12) Family number: 11572936** (JP6268410 A2)

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Title: LAMINATED BAND STOP FILTER**Priority:** JP19930078772 19930312

Family:	Publication number	Publication date	Application number	Application date
	JP6268410 A2	19940922	JP19930078772	19930312

Probable Assignee: NGK INSULATORS LTD**Assignee(s):(std):** NGK INSULATORS LTD**Inventor(s):(std):** HIRAI TAKAMI ; YANO SHINSUKE**International class (IPC 8-9):** H01P1/20 H01P1/203 H01P1/205 H01P5/02**International class (IPC 1-7):** H01P1/203 H01P1/205 H01P5/02[Classification Explorer](#)**Forward Citations:** JP3776281 B2, JP2000357612 A2, JP2015006441 A2, JP5854100 B2, US6608534 BB, US6608533 BB, US6140891 A, US6326863 BA,**Abstract:**

PURPOSE: To make a filter compact, and to improve a performance. **CONSTITUTION:** The characteristic impedance of a transmission line 6a for input and output to be connected with an outside circuit, and the characteristic impedance of a coupling transmission line 2a formed of an electric length at less than 90 degrees which couples two adjacent strip line resonance electrodes 5a are smaller than the input and output impedance of an outside circuit. Then, the input and output impedance of the filter can be matched with the input and output impedance of the outside circuit by adjusting at least one of the characteristic impedance of the transmission line for input and output and the characteristic impedance of the coupling transmission line.

