

Search query (2): [SP]: 1. non-stick coating comprising at least one functional decorative layer, wherein the decorative layer comprises a pigment composition displaying a reversible change in optical and/or colorimetric properties when the coating is subjected, in part or in whole, to a temperature change between a cold temperature and a hot temperature, the cold temperature being between 0 degrees centigrade and 40 degrees centigrade and the hot temperature being between 80 degrees centigrade and 400 degrees centigrade, and wherein the pigment composition comprises at least one compound of formula (i) being in the form of particles: $y(3-x)mxf_e(5-y)qyo_{12}$ (i) in which: m is selected from the group consisting of lanthanides, alkaline metals, alkaline earth metals and metalloids with a degree of oxidation of +3q is selected from the group consisting of lanthanides, non-metals with a degree of oxidation of +4, metals with a degree of oxidation of +3 or +4, transition metals with a degree of oxidation of +2 or +4, alkaline earth metals and alkaline metals x is between 0 and 0.3 and y is between 0 and 3. 2. coating according to claim 1, in which: m is selected from the group consisting of la, ce, ca and sr, and combinations thereof and q is selected from the group consisting of si, al, ga, ge, ti, cr, ca, sr and la, and combinations thereof. 3. coating according to claim 1, in which the compound of formula (i) possesses a garnet-type structure. 4. coating according to claim 1, in which the compound of formula (i) is selected from among the following compounds: $y3fe5o_{12}$ $y3fe4.75ga0.25o_{12}$ $y2.85la0.15fe5o_{12}$ $y2.75sr0.25fe4.75ge0.25o_{12}$ $y2.9sr0.1fe4.9ge0.1o_{12}$ $y2.75sr0.25fe4.75si0.25o_{12}$ $y2.9sr0.1fe4.9si0.1o_{12}$ $y2.9sr0.1fe4.9ti0.1o_{12}$ $y2.85sr0.15fe4.85ti0.15o_{12}$ $y2.75ca0.25fe4.75ge0.25o_{12}$ $y2.75ca0.25fe4.75si0.25o_{12}$ $y3fe4.5al0.5o_{12}$ $y3fe4.75al0.25o_{12}$ $y3fe4.4al0.5cr0.1o_{12}$ $y3fe4.65al0.25cr0.1o_{12}$ $y3fe4.75ge0.25o_{12}$ $y3fe4.75si0.25o_{12}$ $y3fe4.85cr0.15o_{12}$ $y3fe3al2o_{12}$ $y3al3fe2o_{12}$ 5. coating according to claim 1, in which y is between 0 and 0.5. 6. coating according to claim 1, in which the hot temperature is between 120 degrees centigrade and 240 degrees centigrade. 7. coating according to claim 1, in which the decorative layer does not contain a heat-stable binder. 8. coating according to claim 1, in which the decorative layer comprises, in addition to the pigment composition, at least one heat-stable binder. 9. coating according to claim 8, in which the heat-stable binder is selected from the group consisting of enamels, fluorocarbon resins alone or in a mixture, inorganic polymers or organic-inorganic hybrid polymers synthesized through a sol-gel process, silicones, silicone-polyesters, polyimides, polyphenylene sulfides (pps), polyethylene sulfides (pes), polyether ether ketones (peek), polyether ketones (pek), polyamide-imides (pai), fluorosilicones and polybenzimidazoles (pbi), and mixtures thereof. 10. coating according to claim 1, in which the pigment composition also comprises at least one other thermochromic compound. 11. coating according to claim 10, in which the pigment composition also comprises bismuth oxide. 12. item comprising a medium having two opposite surfaces, at least one of which is covered in a coating as defined according to claim 1. 13. item according to claim 12, in the form of a cooking tool in which the medium has a concave interior surface intended to be positioned on the side where food might be placed in the item, and a convex exterior surface intended to be positioned toward a heat source.

Results: 10

Search history

Search FT=(Y3Fe5O12 and pigment and reversible) (Results 3)

1:

Search [SP]: 1. non-stick coating comprising at least one functional decorative layer, wherein the decorative layer comprises a pigment composition displaying a reversible change in optical and/or colorimetric properties when the coating is subjected, in part or in whole, to a temperature change between a cold temperature and a hot temperature, the cold temperature being between 0 degrees centigrade and 40 degrees centigrade and the hot temperature being between 80 degrees centigrade and 400 degrees centigrade, and wherein the pigment composition comprises at least one compound of formula (i) being in the form of particles: $y(3-x)mxf_e(5-y)qyo_{12}$ (i) in which: m is selected from the group consisting of lanthanides, alkaline metals, alkaline earth metals and metalloids with a degree of oxidation of +3q is selected from the group consisting of lanthanides, non-metals with a degree of oxidation of +4, metals with a degree of oxidation of +3 or +4, transition metals with a degree of oxidation of +2 or +4, alkaline earth metals and alkaline metals x is between 0 and 0.3 and y is between 0 and 3. 2. coating according to claim 1, in which: m is selected from the group consisting of la, ce, ca and sr, and combinations thereof and q is selected from the group consisting of si, al, ga, ge, ti, cr, ca, sr and la, and combinations thereof. 3. coating according to claim 1, in which the compound of formula (i) possesses a garnet-type structure. 4. coating according to claim 1, in which the compound of formula (i) is selected from among the following compounds: $y3fe5o_{12}$ $y3fe4.75ga0.25o_{12}$ $y2.85la0.15fe5o_{12}$ $y2.75sr0.25fe4.75ge0.25o_{12}$ $y2.9sr0.1fe4.9ge0.1o_{12}$ $y2.75sr0.25fe4.75si0.25o_{12}$ $y2.9sr0.1fe4.9si0.1o_{12}$ $y2.9sr0.1fe4.9ti0.1o_{12}$ $y2.85sr0.15fe4.85ti0.15o_{12}$ $y2.75ca0.25fe4.75ge0.25o_{12}$ $y2.75ca0.25fe4.75si0.25o_{12}$ $y3fe4.5al0.5o_{12}$ $y3fe4.75al0.25o_{12}$ $y3fe4.4al0.5cr0.1o_{12}$ $y3fe4.65al0.25cr0.1o_{12}$ $y3fe4.75ge0.25o_{12}$ $y3fe4.75si0.25o_{12}$ $y3fe4.85cr0.15o_{12}$ $y3fe3al2o_{12}$ $y3al3fe2o_{12}$ 5. coating according to claim 1, in which y is between 0 and 0.5. 6. coating according to claim 1, in which the hot temperature is between 120 degrees centigrade and 240 degrees centigrade. 7. coating according to claim 1, in which the decorative layer does not contain a heat-stable binder. 8. coating according to claim 1, in which the decorative layer comprises, in addition to the pigment composition, at least one heat-stable binder. 9. coating according to claim 8, in which the heat-stable binder is selected from the group consisting of enamels, fluorocarbon resins alone or in a mixture, inorganic polymers or organic-inorganic hybrid polymers synthesized through a sol-gel process, silicones, silicone-polyesters, polyimides, polyphenylene sulfides (pps), polyethylene sulfides (pes), polyether ether ketones (peek), polyether ketones (pek), polyamide-imides (pai), fluorosilicones and polybenzimidazoles (pbi), and mixtures thereof. 10. coating according to claim 1, in which the pigment composition also comprises at least one other thermochromic compound. 11. coating according to claim 10, in which the pigment composition also comprises bismuth oxide. 12. item comprising a medium having two opposite surfaces, at least one of which is covered in a coating as defined according to claim 1. 13. item according to claim 12, in the form of a cooking tool in which the medium has a concave interior surface intended to be positioned on the side where food might be placed in the item, and a convex exterior surface intended to be positioned toward a heat source. (Results 10)

1) Family number: 21114513 (FR1388029A)

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Title: USTENSILE DE CUISINE MUNI D'UN INDICATEUR THERMIQUE UTENSIL KITCHEN WITH A HEAT INDICATOR (Machine translation)

Abstract: Source: FR1388029A [FR] [Source: Claim 1] 1. L'indicateur thermique est associe a un revetement antiadhesif, susceptible de subir au-dessus de.cette temperature, une alteration de sa structure ou de, ses proprietes; **Machine translation:** [Source: Claim 1] 1. The heat indicator is associated with a nonstick coating, susceptible above de.cette temperature, alteration of a structure or, its properties;

Classifications:

International (IPC 8-9): A47J45/06 (Advanced/Invention);

B05D5/06 B05D5/08 (Advanced/Non-invention);

A47J45/00 (Core/Invention);

B05D5/06 B05D5/08 (Core/Non-invention)

International (IPC 1-7): A47J37/10

CPC: A47J45/068 B05D5/06 B05D5/083

European: 116RB4 A47J45/06G L05D5/06 L05D5/08C

Family:

Publication number	Publication date	Application number	Application date
FR1388029 A	19650205	FR19630958366	19631224

Priority:

FR19630958366 19631224

Probable Assignee:

TEFAL SA

Assignee(s): (std):

TEFAL SA

Assignee(s):

TEFAL

Inventor(s): (std):

GREGOIRE MARC

2) Family number: 108809 (GB1284496A)

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Title: IMPROVEMENTS IN OR RELATING TO THE PREPARATION OF FERRITES OF LANTHANIDES

Abstract: Source: GB1284496A [EN] 1284496 Ferrites, aluminates and galliates of lanthanide elements COMPAGNIE FRANCAISE DE RAFFINAGE 20 March 1970 [21 March 1969] 13502/70 Heading C1A [Also in Division H1] A ferrite, or solid solution of a ferrite of a lanthanide including yttrium is prepared by subjecting mixed citrates of at least one lanthanide element and at least one other trivalent element selected from Fe, Al or Ga to pyrolysis. Ferrite is defined in the Specification as (1) compounds having the general formula LnFeO_3 crystallizing in the perovskite system and existing for all lanthanides including yttrium; (2) compounds having the general formula $\text{Ln}_3\text{Fe}_5\text{O}_{12}$ crystallizing in the garnet system and which exist for the series of lanthanides from Sm to Lu and also for Y; (3) compounds of class (1) or (2) in which all or part of the Fe has been substituted with Al or Ga. A solid solution of a ferrite is defined as a solid solution of the mixed oxides defined in (1), (2) or (3) above in which a lanthanide element Ln, has been partly substituted by another, Ln^1 , i.e. corresponding to the formulae $\text{Ln}_{1-x}\text{Ln}^1_x\text{FeO}_3$ or $\text{Ln}_{3-x}\text{Ln}^1_x\text{Fe}_5\text{O}_{12}$, as well as compounds in which the iron has been partly substituted by Al or Ga e.g. $\text{LnFe}_{1-x}\text{Al}_x\text{O}_3$ or $\text{Ln}_3\text{Fe}_{5-x}\text{Al}_x\text{O}_{12}$. In a particular embodiment a mixed citrate containing a single lanthanide element and one other trivalent element is employed. The pyrolysis may be carried out by bringing the temp. of the mixed citrates progressively from ambient to 600-700° C. The crystals so obtained may then be brought up to a temp. of 1200° to 1300° C. so as to regulate the dimensions of the crystal grain. The mixed citrates may be obtained by dissolving the single citrates in heated ammoniacal water in the proportions necessary to obtain the desired product and then evaporating the solution.

Classifications:

International (IPC 8-9): C01B13/14 C01G49/00 C04B35/26 H01F1/36 (Advanced/Invention);
C01B13/14 C01G49/00 C04B35/26 H01F1/12 (Core/Invention)

International (IPC 1-7): C01F17/00 C01G1/02 C01G49/00 C04B35/00 C04B35/40 H01F1/36

CPC: C01B13/14 C01G49/0054 C01G49/009 C01P2002/34 C04B35/2675 H01F1/36

European: C01B13/14 C01G49/00C8 C01G49/00D C04B35/26L H01F1/36 M01P2/34

Family:

Publication number	Publication date	Application number	Application date
BE747696 A	19700921		00000000
BE747696 A1	19700921	BE19700747696	19700320
DE2013727 A1	19701015	DE19702013727	19700321
FR2038681 A5	19710108	FR19690008342	19690321
GB1284496 A	19720809	GB19700013502	19700320
NL7004043 A	19700923	NL19700004043	19700320

Priority:

FR19690008342 19690321

Probable Assignee: RAFFINAGE CIE FRANCAISE

Assignee(s): (std): R BRANDEIS ; RAFFINAGE CIE FRANCAISE

Assignee(s): RAFFINAGE CIE FSE ; COMPAGNIE FRANCAISE DE RAFFINAGE ; COMPAGNIE FRANCAISE DE RAFFINAGE 5 RUE MICHEL ANGE PARIS FRANCE ; FRANCAISE DE RAFFINAGE 5 RUE MICHEL ANGE PARIS FRANCE COMP

3) Family number: 1134008 (US3878005A)

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Title: Method of chemically polishing metallic oxides

Abstract: Source: US3878005A [EN] A composition for forming a molten salt used as a chemical polishing flux and a polishing sequence employing the flux. In an exemplary embodiment, a method of polishing a metallic oxide substrate comprises the steps of forming a molten flux from approximately a 30:1 to 50:1 weight ratio of lead monoxide and boric anhydride at a temperature within the approximate range 1,100 DEG -1,200 DEG C; bringing the flux to thermal equilibrium at a predetermined temperature suitable for establishing a desired rate of dissolution of the substrate material; moving the substrate at a controlled rate toward the molten flux; and immersing the substrate in the molten flux for a sufficient time to strip a predetermined thickness of material from the surfaces of the substrate. The dissolution rate may be varied by changing the temperature of the flux and/or by adding one or more constituents to the flux to vary the saturation point thereof. A controlled rate of withdrawal of the substrate from the flux may be used to form a protective coating on the stripped substrate surfaces. Because the coating can be removed by compatible liquid phase epitaxy systems, liquid phase epitaxy maybe used to grow films on the substrate without intermediate cleaning steps.

Classifications:

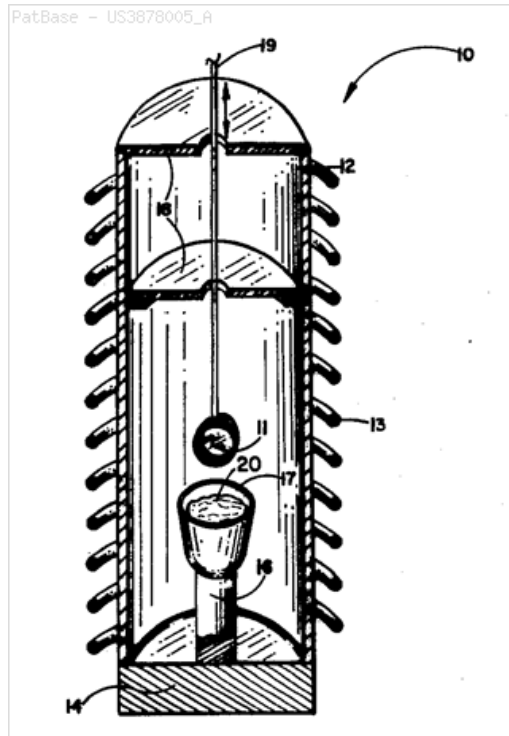
International (IPC 8-9): C04B41/53 C04B41/91 C09K3/14 H01L21/48
H01L49/02 (Advanced/Invention)

International (IPC 1-7): B28D5/06 C01G15/00 C01G57/00 C04B41/00
C23C13/04 C23F3/00 H01F41/14 H05K3/22

CPC: C04B41/009 C04B41/5361 C04B41/91 H01L21/4807 H01L49/02

European: C04B41/00V C04B41/53E6 C04B41/91 H01L21/48B2
H01L49/02

US: 156/2 216/101 252/79.3 427/255.5

**Family:**

Publication number	Publication date	Application number	Application date
DE2428696 A1	19750116	DE19742428696	19740614
FR2233154 A1	19750110	FR19740020938	19740617
FR2233154 B3	19770415	FR19740020938	19740617
JP50022389 A2	19750310	JP19740056070	19740517
US3878005 A	19750415	US19730371197	19730618

Priority:

US19730371197 19730618

Probable Assignee: ROCKWELL INT CORP**Assignee(s):** (std): ROCKWELL INT CORP**Assignee(s):** ROCKWELL INT CORP EL SEGUNDO CALIF V ST ; ROCKWELL INT CORP US ; ROCKWELL INT CORP EL SEGUNDO CALIF V ST A**Inventor(s):** (std): WARREN ROBERT G ; WARREN ROBERT GENE ; WHITCOMB EUGENE C ; WHITCOMB EUGENE COLEMAN**Inventor(s):** WHITCOMB EUGENE COLEMAN MISSION VIEJO ; WARREN ROBERT GENE ANAHEIM**4) Family number: 5935048 (US4505421A)**

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Title: Soldering methods and devices

Abstract: Source: US4505421A [EN] A heat-recoverable soldering device comprises a heat-recoverable member having a fusible solder insert and associated with the solder insert, a solder flux composition which undergoes a visible color change at a critical temperature. Solderable substrates are positioned within the device and heated until a critical temperature has been reached as indicated by a color change in the flux. The critical temperature depends on the material of the particular heat-recoverable member and the solder used. It is that temperature which is required to effect a solder joint between the substrates and recovery of the heat-recoverable member. Novel flux compositions and their use in soldering are also disclosed.

Classifications:

International (IPC 8-9): B23K1/00 B23K1/18 B23K3/00 B23K35/02 B23K35/36 B23K35/362 B23K35/363 B29C61/06 G01K11/12 G01K11/16 H01R4/70 H01R4/72 (Advanced/Invention); B23K1/00 B23K1/14 B23K3/00 B23K35/02 B23K35/36 B23K35/362 B29C61/06 G01K11/00 H01R4/70 (Core/Invention)

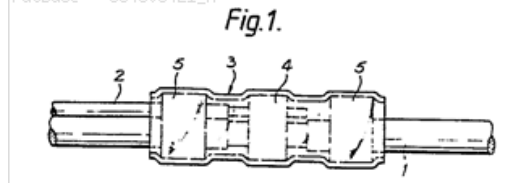
International (IPC 1-7): B23K1/00 B23K1/12 B23K1/18 B23K3/00 B23K35/36 B23K35/362 B23K35/363 G01K11/12 H01R4/70

CPC: B23K1/0008 B23K35/0222 B23K35/3612 B29C61/06 B29C61/0666 G01K11/16 H01R4/723

European: B23K1/00S B23K35/02D B23K35/36D B29C61/06 B29C61/06B8 G01K11/16 H01R4/72B

US: 148/23 148/25 164/103 164/324 228/103 228/224 228/56.3 228/56.5 374/E11.021

PatBase - US4505421_A

**Family:**

Publication number	Publication date	Application number	Application date
AT18365 E	19860315	AT19820305261T	19821004
AT35389 E	19880715	AT19820201861T	19821004
AT35926 E	19880815	AT19820201862T	19821004
CA1245953 A1	19881206	CA19820412782	19821004

CA1254112 A1	19890516	CA19820560043	19821004
CA1254112 A2	19890516	CA19880560043	19880226
CA1254112 C	19890516	CA19820412782	19821004
CA1258755 A1	19890829	CA19820560042	19821004
CA1258755 A2	19890829	CA19880560042	19880226
DE3269653 D1	19860410	DE19823269653	19821004
DE3278715 D1	19880804	DE19823278715	19821004
DE3278805 D1	19880901	DE19823278805	19821004
EP0076681 A1	19830413	EP19820305261	19821004
EP0076681 B1	19860305	EP19820305261	19821004
EP0160752 A1	19851113	EP19840201862	19821004
EP0160752 B1	19880727	EP19840201862	19821004
EP0164456 A1	19851218	EP19840201861	19821004
EP0164456 B1	19880629	EP19840201861	19821004
GB2109418 A1	19830602	GB19820028250	19821004
GB2109418 B2	19860723	GB19820028250	19821004
GB2152954 A1	19850814	GB19850001723	19850123
GB2152954 B2	19860625	GB19850001723	19850123
GB8501723 A0	19850227	GB19850001723	19850123
IL66930 A0	19830223	IL19820066930	19821004
IL66930 A1	19860930	IL19820066930	19821004
IL77295 A1	19860930	IL19820077295	19821004
IL77814 A1	19860930	IL19820077814	19821004
JP1738055 C3	19930226	JP19820176041	19821005
JP4017746 B4	19920326	JP19820176041	19821005
JP58074275 A2	19830504	JP19820176041	19821005
US4505421 A	19850319	US19810308867	19811005
US4563224 A	19860107	US19840683909	19841219
US4667869 A	19870526	US19840599837	19840413
US4688713 A	19870825	US19840683910	19841219
US4809901 A	19890307	US19870089280	19870825

Priority:

CA19820412782 19821004	CA19820560042 19821004	CA19880560043 19880226
CA19880560042 19880226	CA19820560043 19821004	EP19820305261 19821004
IL19820066930 19821004	US19840683910 19841219	US19840599837 19840413
US19840683909 19841219	EP19840201861 19821004	EP19840201862 19821004
US19870089280 19870825	US19810308867 19811005	

Probable Assignee: RAYCHEM CORP

Assignee(s): (std): RAYCHEM CORP

Assignee(s): RAYCHEM CORPORALTION ; TYCO ELECTRONICS CORP ; TYCO INT ; RAYCHEM CORPORALTION A CORP ; RAYCHEM A DELAWARE CORPORATION CORP ; AMP INC ; CYDZIK EDWARD A ; GEN TAMAR G ; RAYCHEM A CALIFORNIA CORP ; RAYCHEM A DELAWARE CORP

Inventor(s): (std): CYDZIK EDWARD ANTONI ; GEN TAMAR G ; TEIMAA JII GEN ; EDOWAADO ANTONI SHIDOJIKU ; CYDZIK EDWARD A

Inventor(s): TAMAR G GEN ; EDWARD ANTONI CYDZIK

Agent(s): MARKS AND CLERK; REINHOLD COHN AND PARTNERS

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

5) Family number: 5377154 (US4691983A)

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Title: Optical waveguide and method for making the same

Abstract: Source: US4691983A [EN] Optical waveguide and the method for making the same, in which a semiconductor laser diode and an optical isolator are formed on one substrate in a monolithic manner. At the moment, a semiconductor laser diode is made by a III-V compound semiconductor crystal, such as GaAs, InP, etc., and an optical isolator is made of iron garnet to fabricate these in monolithic, and this invention was established by developing the technology to monocrystallize at least a small part of the garnet film containing no iron which is deposited on the semiconductor substrate and to use this as the seed crystal for the said phase epitaxial growth of the iron garnet film which forms the iron garnet optical waveguide.

Classifications:

International (IPC 8-9): G02B27/28 G02B6/12 G02F1/09 G02F1/095
H01S3/00 H01S5/026 (Advanced/Invention);
H01S5/00 (Advanced/Non-invention);

G02B27/28 G02B6/12 G02F1/01 H01S3/00 H01S5/00 (Core/Invention)

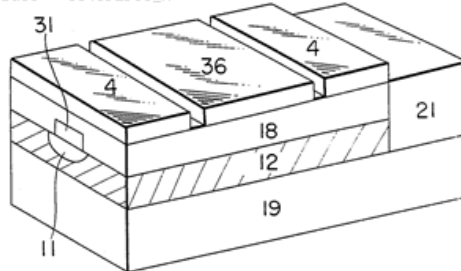
International (IPC 1-7): G02B27/28 G02B6/10 G02B6/12 G02F1/09

CPC: G02F1/0955 H01S3/0064 H01S5/0064 H01S5/026

European: G02F1/095F H01S3/00F2 H01S5/026 T01S3/00F2 T01S5/00F2

US: 385/131 385/141

PatBase - US4691983_A



Family:

Publication number	Publication date	Application number	Application date
JP60083005 A2	19850511	JP19830190739	19831014

JP60083904 A2	19850513	JP19830190740	19831014
US4691983 A	19870908	US19840660144	19841012

Priority:

JP19830190739 19831014 JP19830190740 19831014

Probable Assignee: HITACHI LTD

Assignee(s): (std): HITACHI LTD

Assignee(s): HITACHI SEISAKUSHO KK

Inventor(s): (std): FUKAZAWA TOKUMI ; FUKAZAWA TOKUUMI ; KOBAYASHI TOSHIO ; TAKAGI KAZUMASA

6) Family number: 28882634 (US6551693B)

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Title: HEATING ARTICLE COMPRISING A SURFACE COATED WITH A DECORATIVE ELEMENT CAPABLE OF COLOR CHANGE

Abstract: Source: US6551693B [EN] A heating appliance, such as a cooking container, has an inside surface coating including a decoration which changes color as a function of temperature. A decoration based on a thermostable resin and a chemical substance which changes color as a function of temperature is applied over a fluorocarbon resin coating on the inside of the container.

Classifications:

International (IPC 8-9): A47J37/10 A47J37/12 D06F75/38 G01K11/12 G01K11/16 (Advanced/Invention);

A47J37/10 A47J37/12 G01K11/12 (Advanced/Non-invention);

A47J37/10 A47J37/12 D06F75/00 G01K11/00 (Core/Invention)

International (IPC 1-7): A47J36/02 A47J37/10 A47J37/12 B23B33/00

B32B27/06 B32B31/26 B32B33/00 D06F75/38 G01K G01K11/12

CPC: Y10S99/10 Y10S428/913 G01K11/12 Y10T428/24851 Y10T428/3154

Y10T428/31544 A47J36/025

European: G01K11/12

US: 374/E11.018 38/93 427/385.5 427/388.1 427/389.7 427/407.1

427/407.2 427/409 428/195 428/201 428/421 428/422 428/542.2

428/913 99/342 99/DIG.1 99/DIG.10

PatBase - US6551693_BA

U.S. Patent

Apr. 22, 2003

US 6,551,693 B1

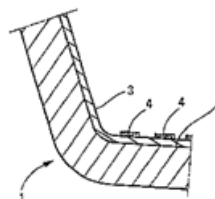


Fig. 1

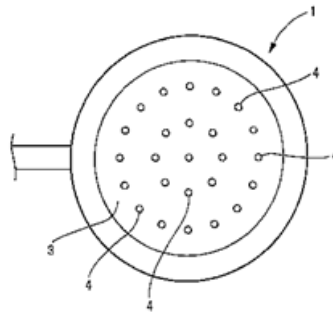


Fig. 2

Family:

Publication number	Publication date	Application number	Application date
AT394656 E	20080515	AT19990970463T	19991007
AU199959908 A1	20000501	AU19990059908	19991007
AU199959908 A5	20000501	AU19990059908	19991007
BRPI9914412 A	20010626	BR1999PI14412	19991007
BRPI9914412 B1	20120918	BR1999PI14412	19991007
CN1153957 C	20040616	CN1998012078	19991007
CN1323388 A	20011121	CN1998012078	19991007
DE69938665 D1	20080619	DE19996038665	19991007
EP1121576 A1	20010808	EP19990970463	19991007
EP1121576 B1	20080507	EP19990970463	19991007
FR2784459 A1	20000414	FR19980012823	19981013
FR2784459 B1	20001215	FR19980012823	19981013
HK1040281 A1	20041210	HK20020101965	20020314
IN00166CA2000 A	20050902	IN2000CA00166	20000321
IN201112 B	20070119	IN2000CA00166	20000321
JP2002527734 T2	20020827	JP20000576249T	19991007
JP3779156 B2	20060524	JP20000576249T	19991007
KR100484606 B1	20050420	KR20017004634	19991007
KR20010088869 A	20010928	KR20017004634	19991007
NO20011743 A	20010406	NO20010001743	20010406
NO20011743 A0	20010406	NO20010001743	20010406
NO20011743 L	20010406	NO20010001743	20010406
NO339780 B1	20170130	NO20010001743	20010406

TR200101078 T2	20010821	TR20010001078T	19991007
US6551693 BA	20030422	US20000554369	20000707
WO0022395 A1	20000420	WO1999FR02407	19991007

Priority:

FR19980012823 19981013 KR20017004634 20010412 WO1999FR02407 19991007

Probable Assignee: SEB SA

Assignee(s): (std): SEB S A ; SEB SA ; SEB AB ; VOISIN LAURENT ; BUFFARD JEAN PIERRE ; GARDAZ CLAUDINE

Assignee(s): SEB CHEMIN DU PETIT BOIS LES SA

Inventor(s): (std): GARDA CLAUDINE ; GARDAZ CLAUDINE ; VOISIN LAURENT ; LAURENT VOISIN ; JEAN PIERRE BUFFARD ; CLAUDINE GARDAZ ; BUFFARD JEAN PIERRE

Inventor(s): CLAUDINE GARDA

Agent(s): SOMNIER JEAN LOUIS ET AL; NOVAGRAAF TECHNOLOGIES

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

7) Family number: 34396050 (WO07042655A1)

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Title: USE OF CUMOW OXIDES AND COOKING UTENSIL COMPRISING SUCH OXIDES

Abstract: The invention concerns the use as pressure and/or temperature sensor of a CuMoW oxide of formula $\text{CuMo}_{1-x}\text{W}_x\text{O}_4$ with x representing the degree of substitution of molybdenum by tungsten and strictly selected between 0 and 3 specifically for detecting a specific temperature and/or pressure.

Classifications:

International (IPC 8-9): A47J36/02 C01G41/00 C22C30/02 G01K11/14 G01L1/24 (Advanced/Invention);

A47J36/02 C01G41/00 C22C30/00 G01K11/00 G01L1/24 (Core/Invention)

CPC: A47J36/02 A47J2202/00 C01G41/006 G01K11/14 G01L1/24

European: A47J36/02 C01G41/00D G01K11/14 G01L1/24 K47J202/00

Family:

Publication number	Publication date	Application number	Application date
FR2891844 A1	20070413	FR20050010301	20051007
FR2891844 B1	20071214	FR20050010301	20051007
WO07042655 A1	20070419	WO2006FR02262	20061009

Priority:

FR20050010301 20051007

Probable Assignee: SEB SA

Assignee(s): (std): DEMOURGUES ALAIN ; DENIARD PHILIPPE ; GAUDON MANUEL ; JOBIC STEPHANE ; SEB SA ; UNIV NANTES ; PERILLON JEAN LUC ; SEB SA SA

Assignee(s): DE NANTES UNIV ; SEB SA SOCIETE ANONYME ; NANTES UNIV ; SEB SOC ANONYME SA ; UNIVERSITE DE NANTES

Inventor(s): (std): DEMOURGUES ALAIN ; DENIARD PHILIPPE ; GAUDON MANUEL ; JOBIC STEPHANE ; PERILLON JEAN LUC

Inventor(s): PHILIPPE DENIARD ; STEPHANE JOBIC ; MANUEL GAUDON ; JEAN LUC PERILLON ; ALAIN DEMOURGUES

Agent(s): NOVAGRAAF TECHNOLOGIES

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

8) Family number: 47317420 (US2010268205A)

© PatBase

Title: METHOD OF TREATMENT WITH ADJUSTABLE FERROMAGNETIC COATED CONDUCTOR THERMAL SURGICAL TOOL

Abstract: Source: US2010268205A [EN] An electrical conductor, such as a wire or catheter, which is coated circumferentially with a ferromagnetic material in a selected region, is fed from a high frequency alternating current source. The ferromagnetic material has a quick response in heating and cooling to the controllable power delivery. The ferromagnetic material can be used for separating tissue, coagulation, tissue destruction or achieving other desired tissue effects in numerous surgical procedures.

Classifications:

International (IPC 8-9): A61B1/313 A61B17/00 A61B17/32 A61B17/3205 A61B17/3209 A61B17/3211 A61B17/34 A61B18/00 A61B18/04

A61B18/08 A61B18/10 A61B18/12 A61B18/14 A61B7/00 A61F2/958

A61L31/08 A61M25/00 A61M25/01 B05D5/12

C23C28/02 (Advanced/Invention);

A61B17/00 A61B17/285 A61B17/32 A61B17/42 A61B18/00 A61B18/08 A61B18/10 A61B18/12 A61B18/14 A61M25/00 A61M25/10 (Advanced/Non-invention)

CPC: A61B2018/00077 A61B17/285 A61B2218/002 A61B2218/007

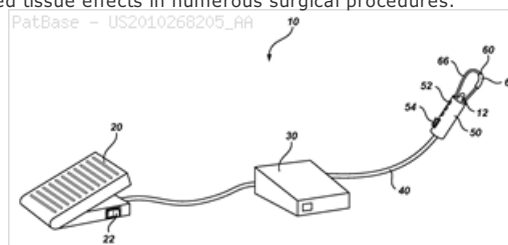
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 A61B18/10 A61B18/04
European: A61B18/08B A61B18/10 K61B1/018 K61B17/00C1C K61B17/00C1T2 K61B17/00C1T4A K61B17/00E1D K61B17/00V
 K61B17/221C K61B17/285 K61B17/42C K61B18/00B14A K61B18/00B4 K61B18/00F16 K61B18/00F6C6 K61B18/00G1
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 K61B218/00D2 K61B218/00D4 K61M25/00 K61M25/10A
US: 1/1 29/825 29/829 427/2.1 427/2.28 600/104 600/104P 606/167 606/167S 606/169 606/169S 606/27 606/27S 606/28
 606/29 606/29P 606/29S 606/30 606/30P 606/30S 606/31 606/31P 606/31S 606/39 606/40 606/41 606/41S 606/47 606/48
 606/48S 607/47 607/96

Family:

Publication number	Publication date	Application number	Application date
 AU2010236417 AA	20101021	AU20100236417	20100414
 AU2010236417 BB	20160303	AU20100236417	20100414
 AU2012347871 AA	20130613	AU20120347871	20121205
 AU2012347871 AB	20140724	AU20120347871	20121205
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 CN104039255 A	20140910	CN201280066545	20121205
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 EP2419037 A2	20120222	EP20100765134	20100414
 EP2419037 A4	20161214	EP20100765134	20100414
 EP2474279 A2	20120711	EP20120002501	20100414
 EP2474279 A3	20161214	EP20120002501	20100414
 EP2787914 A1	20141015	EP20120855353	20121205
 EP2787914 A4	20150812	EP20120855353	20121205
 IN00995MN2014 A	20150424	IN2014MN00995	20140523
 JP2012523923 A2	20121011	JP20120506188	20100414
 JP2012523923 T2	20121011	JP20120506188T	20100414
 JP2015091384 A2	20150514	JP20150004215	20150113
 JP2015506729 T2	20150305	JP20140546035T	20121205
 KR20120039522 A	20120425	KR20117027373	20100414
 KR20140102668 A	20140822	KR20147015492	20121205
 KR20170030096 A	20170316	KR20177006347	20100414
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 US2016166308 AA	20160616	US20160050437	20160222
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 US2017189094 A9	20170706	US20160050437	20160222
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US9220557 BB	20151229	US20130841895	20130315
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US9320560 BB	20160426	US20130769069	20130215
US9549774 BB	20170124	US20130081936	20131115
US9730749 BB	20170815	US20090647350	20091224
WO10120944 A2	20101021	WO2010US31114	20100414
WO10120944 A3	20110317	WO2010US31114	20100414
WO12031256 A2	20120308	WO2011US50417	20110902
WO12031256 A3	20120531	WO2011US50417	20110902
WO12139084 A2	20121011	WO2012US32656	20120407
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WO13086045 A1	20130613	WO2012US68027	20121205

Priority:

AU20100236417	20100414	AU20160200723	20160204	EP20100765134	20100414
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US20090647371	20091224	US20090647363	20091224	US20110224239	20110901
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US20120559386	20120726	US20110473729P	20110408	US20110506464P	20110711
US20120545922	20120710	US20120441614	20120406	US20110567603P	20111206
WO2010US31114	20100414	US20120669671P	20120710	US20120706481	20121206
US20130830037	20130314	US20130841895	20130315	US20130769069	20130215
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WO2012US68027	20121205	US20150797086	20150711	US20150804343	20150721
US20160050437	20160222	US20150980731	20151228	US20160050453	20160222
US20160383535	20161219				

Probable Assignee: DOMAIN SURGICAL INC

Assignee(s): (std): DOMAIN SURGICAL INC ; MANWARING KIM ; MANWARING LORAIN ; MANWARING MARK ; EGGERS PHILIP ; HAMMOND PAUL ; EGGERS PHILLIP ; MCNALLY DAVID ; MCNALLY DAVID ; NEXSPROUT L L C ; STRINGHAM MARK ; MCNALLY DAVID J ; BITER WILLIAM J

Assignee(s): DENIS SCOTT ; MANWARING MARK DECEASED ; MANWARING PRESTON ; NEXSPROUT LLC ; DOMAIN SURGICAL INC1370 SOUTH 2100 EASTSALT LAKE CITYUT84108US ; EGGERS PHIL

Inventor(s): (std): BITER WILLIAM J ; DAVID MCNALLY ; DENIS SCOTT ; EGGERS PHIL ; KIM MANWARING ; MANWARING KIM ; MANWARING LORAIN ; MANWARING MARK ; MANWARING PRESTON ; MARK MANWARING ; MCNALLY DAVID ; MCNALLY DAVID ; WILLIAM J BITER ; STRINGHAM MARK ; MCNALLY DAVID J ; HAMMOND PAUL ; EGGERS PHILIP ; MC NALLY DAVID ; MANWARING MARK DECEASED ; EGGERS PHILLIP

Inventor(s): DENIS SCOTTUS ; EGGERS PHILUS ; MANWARING PRESTONUS ; MANWARING KIMUS

Agent(s): FISHER ADAMS KELLY ; FISHER ADAMS KELLY PTY LTD ; FISHER ADAMS KELLY CALLINANS ; BERESKIN AND PARR LLP SENCRL SRL ; GROSSE RAINER ; CLARENBACH CARL PHILIPP ; ONO SHINJIRO ; CHIBA AKIO ; KOBAYASHI YASUSHI ; TOMITA HIROYUKI ; MIYAMAE TORU ; YAMAMOTO OSAMU ; TAKEUCHI SHIGEO ; BATEMAN IP LAW GROUP ; BATEMAN IP ; SNOW CHRISTENSEN AND MARTINEAU ; RANDALL B ; CHRISTOPHER L ; SARAH W ; SEED INTELLECTUAL PROPERTY LAW GROUP LLP ; BATEMAN RANDALL ; WIGHT CHRISTOPHER L

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN 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 KR 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 PA PE PG PH PL PT QA RO RS RU RW 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

9) Family number: 51781385 (US2013320024A)

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Title: HEATING ARTICLE COMPRISING A NON-STICK COATING WITH A THREE-DIMENSIONAL DECORATION

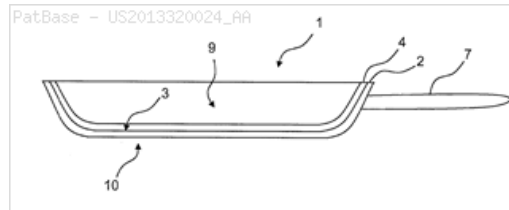
Abstract: Source: US2013320024A [EN] Provided is a heating utensil comprising a support intended to be heated, said support comprising a surface covered by a non-stick coating, said non-stick coating comprising at least one sintered layer based on fluorocarbon resin forming a continuous network. Said sintered layer additionally comprises a mixture of magnetizable particles and of non-magnetizable particles, some of said magnetizable particles being oriented so as to form a three-dimensional pattern. Also provided is a method for producing such a heating utensil.

Classifications:

International (IPC 8-9): A47J27/00 A47J36/02 A47J36/04 B05D3/14 B05D5/08 (Advanced/Invention)

CPC: B05D3/207 B05D5/083 B05D7/14 A47J36/025 A47J36/02

European: A47J36/02 B05D3/20 B05D5/08C L05D7/14

**Family:**

Publication number	Publication date	Application number	Application date
AU2012216875 AA	20120823	AU20120216875	20120220
AU2012216875 BB	20150618	AU20120216875	20120220
BR112013018194 A2	20161108	BR20131118194	20120220
CA2824462 AA	20130710	CA20122824462	20120220
CA2824462 C	20151124	CA20122824462	20120220
CN103415236 A	20131127	CN201280009526	20120220
CN103415236 B	20160914	CN201280009526	20120220
CO6761372 A2	20130930	CO20130195582	20130816
DE602012014666 D1	20160324	DE201260014666T	20120220
DK2675328 T3	20160418	DK20120709943T	20120220
EP2675328 A1	20131225	EP20120709943	20120220
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ES2567419 T3	20160422	ES20120709943T	20120220
FR2971687 A1	20120824	FR20110051375	20110218
FR2971687 B1	20160325	FR20110051375	20110218
IN06291DN2013 A	20141212	IN2013DN06291	20130715
JP2014506817 T2	20140320	JP20130553990T	20120220
JP5789000 B2	20151007	JP20130553990T	20120220
KR101588506 B1	20160212	KR20137021598	20120220
KR20130132582 A	20131204	KR20137021598	20120220
MX2013009490 A1	20140414	MX20130009490	20120220
MX345819 B	20170216	MX20130009490	20120220
RU2013141847 A	20150327	RU20130141847	20120220
RU2560001 C2	20150820	RU20130141847	20120220
TR201604486 T4	20160621	TR20160004486T	20120220
US2013320024 AA	20131205	US20120985405	20120220
WO12110752 A1	20120823	WO2012FR50362	20120220

Priority:

EP20120709943 20120220 FR20110051375 20110218 WO2012FR50362 20120220

Probable Assignee: SEB SA**Assignee(s):** (std): BALDECK CLOTILDE ; FONTAINE MICHEL ; PERILLON JEAN LUC ; SEB AB ; SEB SA**Assignee(s):** SEB S A**Inventor(s):** (std): BALDECK CLOTILDE ; CLOTILDE BALDECK ; FONTAINE MICHAEL ; FONTAINE MICHEL ; JEAN LUC PERILLON ; MICHEL FONTAINE ; PERILLON JEAN LUC**Inventor(s):** MICHAEL FONTAINE**Agent(s):** SPRUSON AND FERGUSON; GOUDREAU GAGE DUBUC; MARGARITA CASTELLANOS ABONDANO; NOVAGRAAF TECHNOLOGIES; DE ELZABURU ALBERTO; TANI AND ABE PC; UGUR GUERSAD YALCINER; LAUDE DUVAL EMMANUELLE**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 KR 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 QA RO RS RU RW 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**10) Family number: 61387407 (US2017158879A)**

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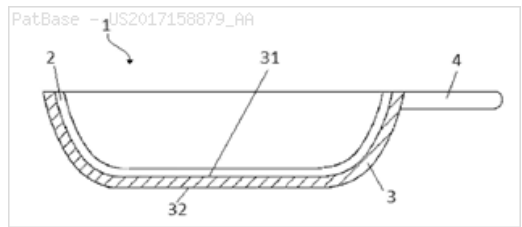
Title: NON-STICK COATING COMPRISING AT LEAST ONE FUNCTIONAL DECORATIVE LAYER AND ITEM PROVIDED WITH SUCH A COATING

Abstract: Source: US2017158879A [EN] Provided is a non-stick coating including at least one functional decorative layer, including a pigment composition having a reversible variation of optical and/or colorimetric properties when the coating is subjected to a temperature variation between a cold temperature of 0 degrees centigrade to 40 degrees centigrade and a hot temperature of 80 degrees centigrade to 400 degrees centigrade. The pigment composition includes at least one compound of formula $Y(3-x)M_xFe(5-y)QyO_{12}$ in the form of particles, in which M is selected from the lanthanides, alkaline metals, alkaline-earth metals and metalloids with a degree of oxidation (DO) +3; Q is selected from the group made up of the lanthanides, non-metals with degree of oxidation +4, metals with DO +3 or +4, transition metals with DO +2 or +4, alkaline-earth metals and alkaline metals; and wherein x is between 0 and 0.3 and y is between 0 and 3.

Classifications:

International (IPC 8-9): A47J36/02 C01B33/00 C01B33/20 C01B33/24 C01G49/00 C09D1/00 C09D127/18 C09D201/00 C09D5/26 C09D5/29 C09D7/12 C09K9/00 C23C18/12 G01K11/14 (Advanced/Invention); C08K3/22 (Advanced/Non-invention); C01G49/00 (Core/Invention)

International (IPC 1-7): A47J36/02 C01G49/00 C23C18/12 G01K11/14**CPC:** C01B33/20 G01K2207/08 C09D5/26 C09D1/00 C09D127/18



Family:

Publication number	Publication date	Application number	Application date
BR112017000436 A2	20171031	BR20171100436	20150706
CA2954106 AA	20170103	CA20152954106	20150706
CN106536417 A	20170322	CN201580036939	20150706
CO20170000231 A2	20170310	CO20170000231	20170111
EP3166460 A1	20170517	EP20150742377	20150706
FR3023464 A1	20160115	FR20140056590	20140708
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IN201617044527 A	20170414	IN201617044527	20161228
JP2017527652 T2	20170921	JP20170501258T	20150706
KR20170027826 A	20170310	KR20177003108	20150706
MX2017000315 A1	20170427	MX20170000315	20150706
US2017158879 AA	20170608	US20150323992	20150706
US9758681 BB	20170912	US20150323992	20150706
WO16005694 A1	20160114	WO2015FR51868	20150706

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