



(11) **EP 2 157 212 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
12.03.2014 Bulletin 2014/11

(51) Int Cl.:
C25D 3/04 (2006.01) **C25D 3/06** (2006.01)
C25D 5/14 (2006.01) **C25D 5/34** (2006.01)
C25D 5/36 (2006.01)

(43) Date of publication A2:
24.02.2010 Bulletin 2010/08

(21) Application number: **09166155.3**

(22) Date of filing: **22.07.2009**

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL
PT RO SE SI SK SM TR**

(30) Priority: **30.07.2008 CN 200810303201**

(71) Applicants:
• **Shenzhen Futaihong Precision Industry Co., Ltd.
Shenzhen City, Guangdong Province 518109 (CN)**
• **FIH (Hong Kong) Limited
Cheung Sha Wan
Kowloon, Hong Kong (CN)**

(72) Inventors:
• **Su, Jong-Yi
231, Taipei Hsien (TW)**
• **Chen, Cheng-Shin
231, Taipei Hsien (TW)**
• **Wang, Ren-Ning
518109, ShenZhen City (CN)**
• **Liu, Bin
518109, ShenZhen City (CN)**

(74) Representative: **Craven, Ian
Urquhart-Dykes & Lord LLP
Tower North Central
Merrion Way
Leeds LS2 8PA (GB)**

(54) **Surface Treatment Method For Housing**

(57) A surface treatment method for housings comprising: providing a metal housing and pre-treating it to be cleaned; electroplating the housing to form a hexavalent chromium coating on the surface of the housing; and electroplating the housing to form a trivalent chromium coating on the hexavalent chromium coating.

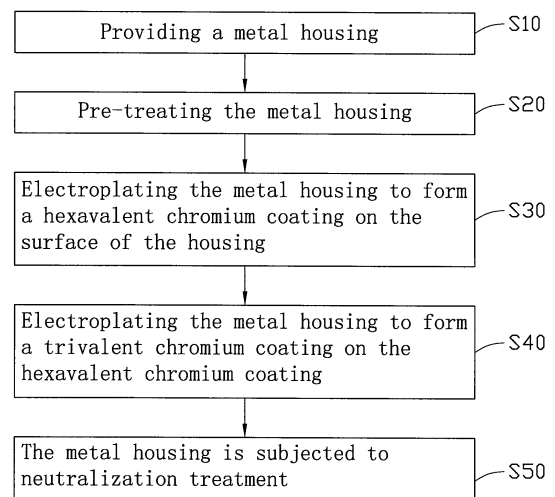


FIG. 1

EP 2 157 212 A3



EUROPEAN SEARCH REPORT

Application Number
EP 09 16 6155

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	EP 1 918 425 A1 (FRANZ WOLF-DIETER [DE]) 7 May 2008 (2008-05-07) * paragraphs [0040] - [0045] * -----	1-10	INV. C25D3/04 C25D3/06 C25D5/14
A	DE 195 29 843 A1 (SANTINI MARCO [DE]) 13 February 1997 (1997-02-13) * abstract * * column 2, lines 24-68 * -----	1-10	ADD. C25D5/34 C25D5/36
E	EP 2 108 716 A2 (SHENZHEN FUTAIHONG PREC IND CO [CN]; FIH HONG KONG LTD [HK]) 14 October 2009 (2009-10-14) * abstract * * paragraphs [0011], [0012] * * claim 1 * -----	1-10	
X	US 4 278 512 A (BARCLAY DONALD J ET AL) 14 July 1981 (1981-07-14) * abstract * * column 1, lines 13-29 * * column 2, lines 8-49 * -----	1,2,9,10	
			TECHNICAL FIELDS SEARCHED (IPC)
			C25D
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 6 February 2014	Examiner Haering, Christian
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

 2
EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 09 16 6155

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

06-02-2014

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1918425 A1	07-05-2008	AT 507328 T EP 1918425 A1 EP 1995355 A1	15-05-2011 07-05-2008 26-11-2008
DE 19529843 A1	13-02-1997	DE 19529843 A1 EP 0761844 A1 JP H09104995 A US 5632880 A	13-02-1997 12-03-1997 22-04-1997 27-05-1997
EP 2108716 A2	14-10-2009	CN 101555614 A EP 2108716 A2 US 2009255823 A1	14-10-2009 14-10-2009 15-10-2009
US 4278512 A	14-07-1981	AR 222694 A1 BR 7907324 A CA 1150185 A1 CH 644157 A5 DK 475879 A ES 485756 A1 FI 793514 A FR 2441003 A1 GB 2038361 A MX 153195 A NO 793615 A SE 429981 B US 4278512 A	15-06-1981 15-07-1980 19-07-1983 13-07-1984 12-05-1980 01-07-1980 12-05-1980 06-06-1980 23-07-1980 21-08-1986 13-05-1980 10-10-1983 14-07-1981