

Title (en)  
Use of chromium-based stainless steel for manufacturing a domestic use and manual opening magnetic unit actuated by thermocouple or equivalent element

Title (de)  
Verwendung von chrombasiertem Edelstahl zur Herstellung einer Haushaltsanwendung und manuell zu öffnende Magneteinheit, die mit einer Wärmekupplung oder einem äquivalenten Element betätigt wird

Title (fr)  
Utilisation d'acier inoxydable à base de chrome pour la fabrication d'une unité magnétique d'ouverture manuelle à usage domestique activée par un thermocouple ou un élément équivalent

Publication  
**EP 2211099 A1 20100728 (EN)**

Application  
**EP 09380005 A 20090121**

Priority  
EP 09380005 A 20090121

Abstract (en)  
The present invention relates to the use of a chromium-containing stainless steel alloy having a chromium content comprised between 17.25 and 18.25% in the production of the magnetic armature, of the magnetic core or of both elements of a manual opening magnetic unit actuated by a thermocouple or equivalent element. The invention also relates to said magnetic unit.

IPC 8 full level  
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**C22C 1/11** (2023.01); **F23N 1/005** (2013.01); **F23N 5/105** (2013.01); **F23N 2235/14** (2020.01); **F23N 2235/24** (2020.01); **H01F 1/14708** (2013.01)

Citation (applicant)

- EP 1624247 A2 20060208 - ORKLI S COOP LTDA [ES]
- EP 1909029 A2 20080409 - ORKLI S COOP LTDA [ES]
- WO 03085324 A1 20031016 - OMVL S R L [IT], et al

Citation (search report)

- [YD] EP 1909029 A2 20080409 - ORKLI S COOP LTDA [ES]
- [YA] EP 1698817 A2 20060906 - ARICHELL TECH INC [US]
- [A] EP 1288482 A2 20030305 - DELPHI TECH INC [US]
- [A] JP S5841257 A 19830310 - HITACHI LTD, et al
- [A] US 3757263 A 19730904 - MERRINER D, et al
- [A] ANONYMOUS: "Stainless Steel - Grade Description Summary", INTERNET ARTICLE, 21 March 2006 (2006-03-21), pages 1 - 3, XP002534296, Retrieved from the Internet <URL:http://www.225steel.com/catalog/stainless-steel.pdf> [retrieved on 20090626]

Citation (examination)  
EP 0109155 A1 19840523 - WEBBER ELECTRO COMPONENTS PLC [GB]

Designated contracting state (EPC)  
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 TR

Designated extension state (EPC)  
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**EP 2211099 A1 20100728**; BR PI1000111 A2 20110913; CN 101792887 A 20100804

DOCDB simple family (application)  
**EP 09380005 A 20090121**; BR PI1000111 A 20100119; CN 201010141724 A 20100121