

Title (en)  
SILVER TERNARY ALLOY

Title (de)  
SILBERTERNÄRLEGIERUNG

Title (fr)  
ALLIAGE TERNAIRE D'ARGENT

Publication  
**EP 1631692 B1 20090114 (EN)**

Application  
**EP 04735594 A 20040601**

Priority  
• GB 2004002317 W 20040601  
• GB 0312693 A 20030603

Abstract (en)  
[origin: US2007009375A1] A firestain and tarnish-resistant ternary alloy of silver, copper and germanium contains from more than 93.5 wt % to 95.5 wt % Ag, from 0.5 to 3 wt % Ge and the remainder, apart from incidental ingredients (if any), impurities and grain refiner, copper. In order to further protect an article made from the alloy, it may be surface treated with an alkanethiol, alkyl thioglycollate, dialkyl sulphide or dialkyl disulphide.

IPC 8 full level  
**C22C 5/06** (2006.01); **C23F 11/16** (2006.01)

CPC (source: EP US)  
**C22C 5/06** (2013.01 - EP US); **C23F 11/16** (2013.01 - EP US); **C23F 11/161** (2013.01 - EP US)

Cited by  
EP2453028A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2007009375 A1 20070111**; AT E420980 T1 20090115; AU 2004243654 A1 20041209; CA 2527430 A1 20041209; CN 102690969 A 20120926; CN 102690969 B 20160504; CN 1846007 A 20061011; DE 602004019080 D1 20090305; EA 011015 B1 20081230; EA 200501875 A1 20060630; EP 1631692 A1 20060308; EP 1631692 B1 20090114; ES 2322465 T3 20090622; GB 0312693 D0 20030709; GB 2402399 A 20041208; GB 2402399 B 20051012; JP 2007535616 A 20071206; PT 1631692 E 20090416; WO 2004106567 A1 20041209

DOCDB simple family (application)  
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