

Title (en)
ORNAMENT AND METHOD FOR PREPARATION THEREOF

Title (de)
ORNAMENT UND VERFAHEN ZU DESSEN HERSTELLUNG

Title (fr)
ORNEMENT ET SON PROCEDE DE PREPARATION

Publication
EP 1146136 A1 20011017 (EN)

Application
EP 00956994 A 20000907

Priority
• JP 0006086 W 20000907
• JP 25290099 A 19990907
• JP 31943799 A 19991110
• JP 2000104454 A 20000406

Abstract (en)
An ornament, such as external ornamental parts of a watch, which comprises a substrate comprising stainless steel, titanium or titanium alloy and having a hardened layer comprising a solid solution of at least one type of atom selected from the group consisting of a carbon atom, a nitrogen atom and oxygen atom in the substrate and, formed on the surface of the hardened layer, a hard coating film such as TiC or TiN. The ornament has excellent resistance to scratching without detriment to the corrosion-resistant property of the substrate and can have a variety of colors such as gold, and thus is significantly valuable from an ornamental point of view. <IMAGE>

IPC 1-7
C23C 8/20; **C23C 8/24**; **A44C 27/00**; **G04B 37/22**; **C23C 28/00**; **C23C 8/80**

IPC 8 full level
A44C 27/00 (2006.01); **C23C 8/80** (2006.01); **C23C 28/00** (2006.01); **G04B 37/22** (2006.01)

CPC (source: EP KR)
A44C 27/001 (2013.01 - EP); **A44C 27/006** (2013.01 - EP); **C23C 8/02** (2013.01 - KR); **C23C 8/22** (2013.01 - KR); **C23C 8/34** (2013.01 - KR); **C23C 8/80** (2013.01 - EP); **C23C 28/321** (2013.01 - EP); **C23C 28/322** (2013.01 - EP); **C23C 28/34** (2013.01 - EP); **C23C 28/341** (2013.01 - EP); **C23C 28/345** (2013.01 - EP); **C23C 28/347** (2013.01 - EP); **C23C 28/36** (2013.01 - EP); **G04B 37/223** (2013.01 - EP); **G04B 45/00** (2013.01 - KR)

Cited by
WO2023180999A1; DE102004056880B4; EP1813385A1; EP1698713A1

Designated contracting state (EPC)
CH DE FR GB IT LI

DOCDB simple family (publication)
EP 1146136 A1 20011017; **EP 1146136 A4 20060906**; **EP 1146136 B1 20110622**; CN 100374613 C 20080312; CN 1321203 A 20011107; HK 1040421 A1 20020607; HK 1040421 B 20111118; KR 100754811 B1 20070904; KR 20010085998 A 20010907; WO 0118275 A1 20010315

DOCDB simple family (application)
EP 00956994 A 20000907; CN 00801908 A 20000907; HK 02101696 A 20020305; JP 0006086 W 20000907; KR 20017005650 A 20010504