

Title (en)
A BEARING COMPONENT

Title (de)
LAGERKOMPONENTE

Title (fr)
COMPOSANT DE PALIER

Publication
EP 2268841 A1 20110105 (EN)

Application
EP 09726170 A 20090325

Priority

- EP 2009002176 W 20090325
- EP 08251054 A 20080325
- EP 09726170 A 20090325

Abstract (en)
[origin: WO2009118166A1] The present invention provides a bearing component formed from a steel composition comprising: (a) from 0.5 - 1.2 wt. % carbon, (b) from 0.15 - 2 wt. % silicon, (c) from 0.25 - 2 wt. % manganese, (d) from 0.85 - 3 wt. % chromium, (e) optionally one or more of the following elements from 0 - 5 wt. % cobalt, from 0 - 2 wt. % aluminium, from 0 - 0.6 wt. % molybdenum, from 0 - 0.5 wt. % nickel, from 0 - 0.2 wt. % vanadium, from 0 - 0.1 wt. % sulphur, from 0 - 0.1 wt. % phosphorous, and (f) the balance iron, together with unavoidable impurities.

IPC 8 full level
C22C 38/06 (2006.01); **C21D 9/40** (2006.01); **C22C 38/22** (2006.01); **C22C 38/24** (2006.01); **C22C 38/30** (2006.01); **C22C 38/34** (2006.01); **C22C 38/38** (2006.01); **F16C 33/62** (2006.01)

CPC (source: EP US)
C21D 9/40 (2013.01 - EP US); **C22C 38/06** (2013.01 - EP US); **C22C 38/22** (2013.01 - EP US); **C22C 38/24** (2013.01 - EP US); **C22C 38/30** (2013.01 - EP US); **C22C 38/34** (2013.01 - EP US); **C22C 38/38** (2013.01 - EP US); **F16C 33/62** (2013.01 - EP US)

Citation (search report)
See references of WO 2009118166A1

Citation (third parties)
Third party :

- GB 2352726 A 20010207 - SECR DEFENCE [GB]
- BROWN P.M. AND BAXTER D.P.: "Hyper-strength bainitic steels", AIST PROCESS METALLURGY, PRODUCT QUALITY AND APPLICATIONS PROCEEDINGS. MATERIALSSCIENCE AND TECHNOLOGY CONFERENCE, 26 September 2004 (2004-09-26), pages 433 - 436, XP009130518
- "Cobalt", HUMAN HEALTH FACT SHEET - ARGONNE NATIONAL LABORATORY EVS, August 2005 (2005-08-01), pages 1 - 2, XP003028348

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)
AL BA RS

DOCDB simple family (publication)
WO 2009118166 A1 20091001; CN 102046828 A 20110504; EP 2268841 A1 20110105; US 2011052442 A1 20110303

DOCDB simple family (application)
EP 2009002176 W 20090325; CN 200980119004 A 20090325; EP 09726170 A 20090325; US 93390909 A 20090325