

Title (en)

Wear protection layer and method of its manufacture

Title (de)

Verschleißschuttschicht sowie Verfahren zu ihrer Herstellung

Title (fr)

Couche de protection contre l'usure et procédé destiné à leur fabrication

Publication

EP 2052789 A3 20091230 (DE)

Application

EP 08105612 A 20081020

Priority

DE 102007050811 A 20071024

Abstract (en)

[origin: EP2052789A2] Wear-protection layer for frictionally stressed component or in oscillation-superimposed impact load, comprises a metal layer, preferably hard chromium layer, and a polysiloxane layer, where the polysiloxane layer is applied on the metal layer. An independent claim is included for preparing the wear-protection layer comprising (a) coating the claimed component with the metal layer and (b) applying the polysiloxane layer on the metal layer.

IPC 8 full level

B05D 5/08 (2006.01)

CPC (source: EP US)

B05D 5/08 (2013.01 - EP); **C23C 28/00** (2013.01 - EP); **C23C 30/00** (2013.01 - EP); **C25D 5/48** (2013.01 - EP); **C25D 7/00** (2013.01 - EP US); **F02M 61/166** (2013.01 - EP); **B05D 3/0254** (2013.01 - EP); **B05D 5/083** (2013.01 - EP); **B05D 2202/15** (2013.01 - EP); **B05D 2202/30** (2013.01 - EP); **B05D 2350/65** (2013.01 - EP); **B05D 2518/10** (2013.01 - EP); **F02M 2200/02** (2013.01 - EP); **F02M 2200/9038** (2013.01 - EP)

Citation (search report)

- [X] EP 1734090 A2 20061220 - UNITED TECHNOLOGIES CORP [US]
- [X] DE 102005015576 A1 20061005 - CHEMETALL GMBH [DE]
- [X] US 2006024511 A1 20060202 - ELMER JOSEPH [US], et al
- [X] DE 202006019046 U1 20070419 - MANITOWOC CRANE GROUP F SAS [FR]
- [A] DE 102005046628 A1 20070405 - BOSCH GMBH ROBERT [DE]
- [AD] EP 0909839 A1 19990421 - FEDERAL MOGUL BURSCHEID GMBH [DE]
- [X] DATABASE WPI Week 198611, Derwent World Patents Index; AN 1986-073151, XP002555579

Cited by

EP2644879A1; US2010071217A1; US9719173B2; US11371472B2; US9051910B2; US9429245B2; US9885101B2; EP2320063A2

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2052789 A2 20090429; EP 2052789 A3 20091230; EP 2052789 B1 20121212; DE 102007050811 A1 20090430

DOCDB simple family (application)

EP 08105612 A 20081020; DE 102007050811 A 20071024