

Title (en)
COATED ARTICLES

Title (de)
BESCHICHTETE GEGENSTÄNDE

Title (fr)
OBJETS MUNIS D'UN REVETEMENT

Publication
EP 1919632 A1 20080514 (DE)

Application
EP 06778257 A 20060817

Priority
• EP 2006065402 W 20060817
• DE 102005040648 A 20050827

Abstract (en)
[origin: DE102005040648A1] In coating articles of valve metals selected from aluminum, magnesium, titanium, niobium and/or zirconium and their alloys having an oxide ceramic film (A) formed from the metal, which acts as barrier to the metal, the surface is coated with polymers (B) by introducing (B) in the form of (halogenated) xylylene dimers (I) into the capillary system of (A) by vacuum coating and (I) are polymerized. In coating articles of valve metals selected from aluminum, magnesium, titanium, niobium and/or zirconium and their alloys having an oxide ceramic film (A) formed from the metal, which acts as barrier to the metal, the surface is coated with polymers (B) by introducing (B) in the form of (halogenated) xylylene dimers of formula (I) into the capillary system of (A) by vacuum coating and (I) are polymerized: R 1, R 2H or halogen; R 3a group completing a dimeric structure for a corresponding xylyl group . An independent claim is included for coated valve metal articles produced by this process. [Image].

IPC 8 full level
B05D 7/24 (2006.01); **C23C 16/448** (2006.01); **F04D 19/04** (2006.01)

CPC (source: EP KR US)
B05D 1/60 (2013.01 - EP US); **B05D 7/24** (2013.01 - KR); **C23C 16/448** (2013.01 - KR); **C25D 11/026** (2013.01 - EP US); **C25D 11/246** (2013.01 - EP US); **F04D 19/042** (2013.01 - EP US); **F04D 29/023** (2013.01 - EP US); **B05D 2202/20** (2013.01 - EP US); **B05D 2202/25** (2013.01 - EP US); **B05D 2202/30** (2013.01 - EP US); **B05D 2350/63** (2013.01 - EP US); **F05D 2230/31** (2013.01 - EP US); **F05D 2230/90** (2013.01 - EP US); **F05D 2300/173** (2013.01 - EP US); **F05D 2300/21** (2013.01 - EP US); **F05D 2300/43** (2013.01 - EP US); **F05D 2300/611** (2013.01 - EP US); **Y10T 428/264** (2015.01 - EP US); **Y10T 428/265** (2015.01 - EP US); **Y10T 428/3154** (2015.04 - EP US); **Y10T 428/31678** (2015.04 - EP US)

Citation (search report)
See references of WO 2007025868A1

Designated contracting state (EPC)
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DE 102005040648 A1 20070301; CN 101253004 A 20080827; CN 101253004 B 20111026; EP 1919632 A1 20080514; JP 2009506202 A 20090212; KR 20080043316 A 20080516; RU 2008111634 A 20091010; RU 2413746 C2 20110310; TW 200712264 A 20070401; US 2009068451 A1 20090312; US 8119243 B2 20120221; WO 2007025868 A1 20070308

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