

Title (en)
Low-wear bearer rings

Title (de)
Verschleißarme Schmitzringe

Title (fr)
Bandes de cylindre à faible usure

Publication
EP 1938979 A3 20100728 (DE)

Application
EP 07023643 A 20071206

Priority
DE 102006062282 A 20061222

Abstract (en)
[origin: EP1938979A2] The bearer ring (10) includes a hard, chemically inert, electrically insulating, diamond-like layer that is formed on the outer surface of a metallic body. Preferably the diamond-like layer is harder than the body and has a thickness of 0.5 to 5 micrometers. Independent claims are also included for: (1) a bearer ring and cylinder utilizing method; and (2) a bearer ring wear reducing method.

IPC 8 full level
B41F 13/20 (2006.01); **B41F 13/21** (2006.01)

CPC (source: EP US)
B41F 13/20 (2013.01 - EP US); **B41F 13/21** (2013.01 - EP US); **Y10T 29/49563** (2015.01 - EP US)

Citation (search report)

- [XYI] DE 10331603 A1 20050210 - KOENIG & BAUER AG [DE]
- [YA] DE 10059161 A1 20020620 - KOENIG & BAUER AG [DE]
- [YA] EP 1216832 A1 20020626 - HEIDELBERGER DRUCKMASCH AG [DE]
- [A] DE 102005060734 A1 20060622 - KOENIG & BAUER AG [DE]
- [A] EP 1707356 A1 20061004 - KOENIG & BAUER AG [DE]

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

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1938979 A2 20080702; EP 1938979 A3 20100728; CN 101229704 A 20080730; DE 102006062282 A1 20080703; US 2008148972 A1 20080626

DOCDB simple family (application)
EP 07023643 A 20071206; CN 200710306264 A 20071221; DE 102006062282 A 20061222; US 294207 A 20071219