

Title (en)  
WEAR-RESISTANT SLIDING MEMBER

Title (de)  
VERSCHLEISSFESTES GLEITELEMENT

Title (fr)  
ELEMENT COULISSANT RESISTANT A L'USURE

Publication  
**EP 1375695 B1 20081112 (EN)**

Application  
**EP 02703886 A 20020222**

Priority  
• JP 0201600 W 20020222  
• JP 2001055162 A 20010228

Abstract (en)  
[origin: EP1375695A1] A wear-resistant sliding member (10) which comprises a base metal (M) and a sprayed coating (C) formed by thermally spraying a mixed powder comprising, by mass, 30 to 70% of a molybdenum powder, 10 to 40% of a nickel-chrome alloy powder, 5 to 40% of a ceramics powder, and 2 to 15% of a solid lubricant onto a sliding surface of the base metal. The wear-resistant sliding member is excellent in wear-resistance and resistance to scuffing, and thus can be utilized in a large-sized marine diesel engine, which is used under severe conditions.  
<IMAGE>

IPC 8 full level  
**C23C 4/04** (2006.01); **F02F 1/00** (2006.01); **C23C 4/06** (2006.01); **C23C 4/10** (2006.01); **F02F 5/00** (2006.01); **F16J 9/26** (2006.01)

CPC (source: EP KR)  
**C23C 4/04** (2013.01 - EP KR); **C23C 4/06** (2013.01 - EP)

Cited by  
EP2590767A4; EP1600523A1; WO2015001035A1; US7648773B2; US7438979B2; EP3169757B1

Designated contracting state (EPC)  
GB NL

DOCDB simple family (publication)  
**EP 1375695 A1 20040102**; **EP 1375695 A4 20060809**; **EP 1375695 B1 20081112**; CN 1209483 C 20050706; CN 1501986 A 20040602; JP 2004107678 A 20040408; JP 4790135 B2 20111012; JP WO2002068706 A1 20040624; KR 100531995 B1 20051201; KR 20030091994 A 20031203; RU 2245472 C1 20050127; SE 0302260 D0 20030821; SE 0302260 L 20031023; SE 526621 C2 20051018; WO 02068706 A1 20020906

DOCDB simple family (application)  
**EP 02703886 A 20020222**; CN 02805704 A 20020222; JP 0201600 W 20020222; JP 2001055162 A 20010228; JP 2002568799 A 20020222; KR 20037010936 A 20030820; RU 2003128956 A 20020222; SE 0302260 A 20030821