

Title (en)
Duplex coatings for various substrates.

Title (de)
Duplexbeschichtungen für verschiedene Substrate.

Title (fr)
Revêtements doubles pour substrats variés.

Publication
EP 0526670 A1 19930210 (EN)

Application
EP 91305625 A 19910621

Priority
EP 91305625 A 19910621

Abstract (en)
A duplex coating for substrates comprises an undercoat of tungsten carbide-cobalt having a strain-to-fracture of greater than 4.3×10^{-3} inch per inch and a top coat of a ceramic material such as alumina and in which the ratio of the thickness of the top coat to the undercoat is from 6:1 to 1:3.

IPC 1-7
C23C 4/06; **C23C 4/10**; **C23C 28/04**; **F01D 11/08**

IPC 8 full level
B05D 7/24 (2006.01); **B32B 18/00** (2006.01); **C23C 4/02** (2006.01); **C23C 4/06** (2006.01); **C23C 4/10** (2006.01); **C23C 28/00** (2006.01); **C23C 28/04** (2006.01); **F01D 11/12** (2006.01)

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C23C 4/02 (2013.01); **C23C 4/06** (2013.01); **C23C 4/10** (2013.01); **C23C 28/04** (2013.01); **C23C 28/044** (2013.01); **F01D 11/12** (2013.01)

Citation (search report)

- [A] EP 0266299 A2 19880504 - UNITED TECHNOLOGIES CORP [US]
- [AD] EP 0331499 A1 19890906 - UNION CARBIDE CORP [US]
- [A] US 4189130 A 19800219 - OKA TAKASHI [JP], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 5, no. 12 (C-40)(684) 24 January 1981 & JP-A-55 141 566 (GOTOU GOUKIN K.K.) 5 November 1980

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WO2005116287A1; DE102007047739B4; EP1816236A1; EP2256228A3; US7699581B2; WO2005014979A1; US7475762B2; US7854966B2; US8182931B2

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DOCDB simple family (application)
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