

Title (en)
LAYER SYSTEM COMPRISING A POROUS LAYER

Title (de)
SCHICHTSYSTEM MIT EINER PORÖSEN SCHICHT

Title (fr)
SYSTEME DE COUCHES COMPRENANT UNE COUCHE POREUSE

Publication
EP 1466036 A1 20041013 (DE)

Application
EP 02787907 A 20021204

Priority

- EP 02787907 A 20021204
- EP 0213752 W 20021204
- EP 02000874 A 20020115

Abstract (en)
[origin: EP1327703A1] Layer system (20) comprises: a substrate (1); an outer porous layer (4) having a pore volume of at least 30 vol.% arranged on the substrate; and a ceramic (7) partially arranged in the porous layer. Preferred Features: The porous layer has an open pore structure. The ceramic is a mixture of various ceramic materials. The porous layer is partially filled with the ceramic. The porous layer is a foam-like material or a metal. The substrate is made from a cobalt/nickel super alloy.

IPC 1-7
C23C 30/00

IPC 8 full level
B22D 19/00 (2006.01); **B22D 19/08** (2006.01); **C23C 28/00** (2006.01); **C23C 30/00** (2006.01)

CPC (source: EP US)
C23C 28/324 (2013.01 - EP US); **C23C 28/325** (2013.01 - EP US); **C23C 28/34** (2013.01 - EP US); **C23C 30/00** (2013.01 - EP US); **Y10T 428/12479** (2015.01 - EP US); **Y10T 428/12535** (2015.01 - EP US); **Y10T 428/24149** (2015.01 - EP US); **Y10T 428/24157** (2015.01 - EP US); **Y10T 428/249953** (2015.04 - EP US); **Y10T 428/249955** (2015.04 - EP US); **Y10T 428/249957** (2015.04 - EP US)

Citation (search report)
See references of WO 03060195A1

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

DOCDB simple family (publication)
EP 1327703 A1 20030716; DE 50210249 D1 20070712; EP 1466036 A1 20041013; EP 1466036 B1 20070530; JP 2005514526 A 20050519; US 2004058185 A1 20040325; US 7070853 B2 20060704; WO 03060195 A1 20030724

DOCDB simple family (application)
EP 02000874 A 20020115; DE 50210249 T 20021204; EP 0213752 W 20021204; EP 02787907 A 20021204; JP 2003560272 A 20021204; US 64199603 A 20030815