

Title (en)
MATRIX FOR A HARD COMPOSITE

Title (de)
MATRIX FÜR EIN HARTES VERBUNDMATERIAL

Title (fr)
MATRICE POUR MATERIAU COMPOSITE DUR

Publication
EP 0820533 B1 20011031 (EN)

Application
EP 96907022 A 19960130

Priority
• US 9601342 W 19960130
• US 38246895 A 19950201
• US 57371595 A 19951218

Abstract (en)
[origin: WO9623907A1] A matrix powder for formation along with an infiltrant into a matrix for use as a wear element or for use in retaining at least one discrete hard element (20). The matrix powder includes crushed sintered cemented tungsten carbide particles (22). The composition of the crushed sintered cemented tungsten carbide comprises between about 6 weight percent and about 13 weight percent binder metal and between about 87 weight percent and about 94 weight percent tungsten carbide.

IPC 1-7
C22C 1/05; **C22C 26/00**

IPC 8 full level
C22C 1/04 (2006.01); **C22C 1/05** (2006.01); **C22C 26/00** (2006.01)

CPC (source: EP US)
B22F 9/04 (2013.01 - EP); **C22C 1/0475** (2013.01 - EP); **C22C 1/051** (2013.01 - EP US); **C22C 9/00** (2013.01 - EP); **C22C 19/00** (2013.01 - EP); **C22C 26/00** (2013.01 - EP); **C22C 29/08** (2013.01 - EP)

Cited by
EP2113035A4; EP2113034A4

Designated contracting state (EPC)
BE DE FR GB IT

DOCDB simple family (publication)
WO 9623907 A1 19960808; AU 5021196 A 19960821; AU 698687 B2 19981105; BR 9607548 A 19980707; CA 2203882 A1 19960808; CA 2203882 C 20021224; CN 1172506 A 19980204; DE 69616534 D1 20011206; DE 69616534 T2 20020627; DE 820533 T1 19980625; EP 0820533 A1 19980128; EP 0820533 B1 20011031; RU 2141001 C1 19991110

DOCDB simple family (application)
US 9601342 W 19960130; AU 5021196 A 19960130; BR 9607548 A 19960130; CA 2203882 A 19960130; CN 96191735 A 19960130; DE 69616534 T 19960130; DE 96907022 T 19960130; EP 96907022 A 19960130; RU 97114744 A 19960130