

Title (en)
ABRASIVE MATERIAL AND METHOD OF FORMING SAME

Title (de)
SCHLEIFMATERIAL UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
MATERIAU ABRASIF ET PROCEDE DE FORMATION ASSOCIE

Publication
EP 1758713 B1 20090401 (EN)

Application
EP 05754973 A 20050517

Priority
• US 2005017997 W 20050517
• US 84851004 A 20040517

Abstract (en)
[origin: WO2005112601A2] An abrasive material comprising a base surface having a plurality of pyramidal shapes and a plurality of butte-like shapes protruding therefrom is provided. The base surface and the protrusions being formed of the same material. A portion of the protrusions have a substantially triangular, square, or polygonal base and triangular sides which meet at an apex which substantially forms a point and a portion of the protrusions have a substantially triangular, square, or polygonal base and substantially trapezoidal sides the portions sides thereof distant from the base surface forming a plateau such that the protrusions are substantially butte-like in shape. The protrusions provide intermixing cutting and planning edges in a pattern such that the material is capable of abrading independent of direction of use. The butte-like protrusions provide a substantially gliding surface such that the abrasive material is particularly useful in finish sanding.

IPC 8 full level
B24D 11/00 (2006.01)

CPC (source: EP)
B24D 11/00 (2013.01)

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005112601 A2 20051201; WO 2005112601 A3 20060706; AT E427189 T1 20090415; CA 2566888 A1 20051201; CN 100577363 C 20100106; CN 101142056 A 20080312; DE 602005013666 D1 20090514; EP 1758713 A2 20070307; EP 1758713 A4 20071010; EP 1758713 B1 20090401; JP 2007537891 A 20071227

DOCDB simple family (application)
US 2005017997 W 20050517; AT 05754973 T 20050517; CA 2566888 A 20050517; CN 200580023977 A 20050517; DE 602005013666 T 20050517; EP 05754973 A 20050517; JP 2007527540 A 20050517