

Title (en)
ABRASIVE ARTICLES WITH ENCAPSULATED LUBRICANT

Title (de)
SCHLEIFMITTEL MIT VERKAPSELTEM SCHMIERMITTEL

Title (fr)
ARTICLES ABRASIFS A LUBRIFIANT ENCAPSULE

Publication
EP 0784528 B1 20020130 (EN)

Application
EP 95935734 A 19951006

Priority
• JP 27042794 A 19941007
• US 9512924 W 19951006

Abstract (en)
[origin: WO9611085A1] Abrasive articles having an encapsulated lubricant are described. In one aspect, the articles are characterized by a base substrate comprising a plurality of polymeric fibers adhered to one another at mutual contact points, the substrate having a base weight within the range from 20 to 10,000 g/m², abrasive grains adhered to the substrate and a plurality of lubricant capsules adhered to the substrate the capsules comprising a continuous shell with lubricant therein, and the shell comprising a cured thermosetting resin. In another aspect, a composite abrasive article is characterized by at least two layers of the aforementioned abrasive article compressed together and adhered by a binder, the composite article having a flexural modulus of not more than 100 kgf/cm².

IPC 1-7
B24D 3/34; **B24D 11/00**

IPC 8 full level
B24D 3/34 (2006.01); **B24D 11/00** (2006.01)

CPC (source: EP KR)
B24D 3/34 (2013.01 - EP KR); **B24D 11/005** (2013.01 - EP)

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 9611085 A1 19960418; CA 2200217 A1 19960418; DE 69525260 D1 20020314; DE 69525260 T2 20020919; EP 0784528 A1 19970723; EP 0784528 B1 20020130; FI 971414 A0 19970404; FI 971414 A 19970404; JP H08108373 A 19960430; KR 970706105 A 19971103; MX 9702404 A 19970628

DOCDB simple family (application)
US 9512924 W 19951006; CA 2200217 A 19951006; DE 69525260 T 19951006; EP 95935734 A 19951006; FI 971414 A 19970404; JP 27042794 A 19941007; KR 19970702218 A 19970404; MX 9702404 A 19951006