

Title (en)

Novel gel producing pad and improved method for surfacing and polishing lenses.

Title (de)

Ein Gel erzeugendes Kissen und Verfahren zur Oberflächenbehandlung und zum Polieren von Linsen.

Title (fr)

Coussin produisant un gel nouveau et procédé pour surfacer et polir des lentilles.

Publication

**EP 0366051 A1 19900502 (EN)**

Application

**EP 89119666 A 19891024**

Priority

US 26283888 A 19881026

Abstract (en)

A surfacing pad (10) is produced by dispersing abrasive particles (17) in a flexible, water absorbent matrix (16) that is secured on a flexible, fabric substrate (14), which functions as a reservoir for a liquid. By applying to the pad (10) a small quantity of liquid sufficient to wet the matrix (16) and to saturate the substrate (14), it is possible by rubbing the surfaces of a workpiece and the wetted matrix (16) to create an abrasive surfacing gel between the workpiece and the pad (10) substrate, thus eliminating the need for directing a slurry or other liquid onto the workpiece during a surfacing operation.

IPC 1-7

**B24D 3/20**

IPC 8 full level

**B24B 13/01** (2006.01); **B24B 29/00** (2006.01); **B24D 3/00** (2006.01); **B24D 3/02** (2006.01); **B24D 3/20** (2006.01); **B24D 3/34** (2006.01); **B24D 9/08** (2006.01); **B24D 11/00** (2006.01)

CPC (source: EP)

**B24B 13/01** (2013.01); **B24D 3/002** (2013.01); **B24D 3/20** (2013.01)

Citation (search report)

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- [A] EP 0211591 A2 19870225 - MINNESOTA MINING & MFG [US]
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Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

**EP 0366051 A1 19900502**; **EP 0366051 B1 19930310**; CA 2001487 A1 19900426; CA 2001487 C 19940322; DE 68905297 D1 19930415; DE 68905297 T2 19930617; JP 2796678 B2 19980910; JP H02167662 A 19900628; MX 171378 B 19931021

DOCDB simple family (application)

**EP 89119666 A 19891024**; CA 2001487 A 19891025; DE 68905297 T 19891024; JP 27697789 A 19891024; MX 1809389 A 19891025