

Title (en)

Device for fine grinding and polishing of hard materials

Title (de)

Vorrichtung zum Feinschleifen und Polieren von harten Materialien

Title (fr)

Dispositif pour le meulage fin et le polissage de matériaux durs

Publication

EP 0963812 A1 19991215 (EN)

Application

EP 98108596 A 19980512

Priority

EP 98108596 A 19980512

Abstract (en)

Device for fine grinding and polishing stone and other hard materials, e.g. granite or marbles in the form of blocks, plates or sheets. The device is designed to be used with a machine including at least two arms performing a combination of a rotative and oscillating movement along a surface to be treated. Each arm of said machine comprise an attachment arrangement for a curved grinding block to perform a grinding (by use of a self cleansing contact), defining a translating one-dimensional line contact (at 20) along a surface to be treated. The attachment arrangement (1) comprises at least two parts (2, 3), joined to each other by means of a shaft (4) parallel to said translating contact line at (20), a first part (2) thereof being attached (at 7) to an arm and a second part (3) thereof having a second attachment at (8) for a fine grinding or polishing block (14) with a flat working surface, so that when said block is applied against a surface to be treated, a two-dimensional surface contact will occur. <IMAGE>

IPC 1-7

B24B 41/047; **B24B 7/22**; **B24D 7/06**

IPC 8 full level

B24B 7/22 (2006.01); **B24B 41/047** (2006.01); **B24D 7/06** (2006.01)

CPC (source: EP)

B24B 7/22 (2013.01); **B24B 41/0475** (2013.01); **B24D 7/066** (2013.01)

Citation (search report)

- [A] DE 4338054 C1 19950323 - FRIEDRICH GERHARD [DE]
- [A] EP 0727281 A1 19960821 - PORTER CABLE CORP [US]
- [A] US 1932319 A 19331024 - MYERS HARRY L
- [A] US 1928390 A 19330926 - MYERS HARRY L
- [A] FR 1208664 A 19600225

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0963812 A1 19991215

DOCDB simple family (application)

EP 98108596 A 19980512