

Title (en)
AN IMPROVED ROLLER

Title (de)
EINE VERBESSERTE WALZE

Title (fr)
UN ROULEAU AMÉLIORÉ

Publication
EP 4066997 A1 20221005 (EN)

Application
EP 22166024 A 20220331

Priority
IT 202100008144 A 20210401

Abstract (en)
Abrasive roller (1) for processing products in mineral and/or synthetic material, composite or not, comprising a plurality of abrasive elements (2), superimposed and packed together, which are removably engaged by interlocking a central and internal support body (3) and/or to other mounting structure (4) which is associated with said support body (3); characterized in that it comprises shaped hooking means made in a single body with said support body (3) and/or with said mounting structure (4); each abrasive element (2) shaped as a sector of an annulus comprises an internal edge (11) in which counter-shaped means (16) are obtained, mechanically engaged in a shape relationship in a removable manner with said shaped coupling means.

IPC 8 full level
B24D 5/06 (2006.01)

CPC (source: EP)
B24D 5/06 (2013.01); **B24D 5/066** (2013.01)

Citation (applicant)

- US 1850231 A 19320322 - GREENWOOD WALLACE W
- JP S5797464 A 19820617 - MITSUBISHI ELECTRIC CORP
- US 6024635 A 20000215 - CRUICKSHANK E J [US], et al
- WO 2020065689 A1 20200402 - TUPINI GIOVANNI [IT], et al

Citation (search report)

- [IY] US 1850231 A 19320322 - GREENWOOD WALLACE W
- [Y] US 6024635 A 20000215 - CRUICKSHANK E J [US], et al
- [Y] JP S57197464 U 19821215
- [Y] WO 2020065689 A1 20200402 - TUPINI GIOVANNI [IT], et al
- [Y] US 1604943 A 19261026 - THURE LARSSON
- [Y] CH 369649 A 19630531 - FOUQUET EUGENE [FR]

Citation (examination)

- CN 209868347 U 20191231 - QUANZHOU ZHONGZHI DIAMOND TOOLS CO LTD
- CN 201483376 U 20100526 - MOTIMAC QINGDAO NEW MOTIVITY WOODWORKING MACHINERY CO LTD
- US 2018147745 A1 20180531 - MOLLER KARL H [US]
- IT VI20010215 A1 20030418 - MEGGIORIN PIERINO [IT]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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