

Title (en)
DEVICE FOR ACCELERATING FERROMAGNETIC GRANULAR ABRASIVES

Publication
EP 0257318 B1 19920923 (DE)

Application
EP 87110804 A 19870725

Priority
DE 3627339 A 19860812

Abstract (en)
[origin: EP0257318A2] The device for surface treatment comprises a rotor 1, which is designed as a drum and has arranged in its interior a magnet arrangement 3, preferably of permanent-magnetic material, extending over a sector of at least 90 DEG . A mechanism 8 for tangentially feeding the abrasive is provided. The rotor 1 is composed of segments 5 of soft-magnetic material, between which intermediate rings 6 of non- magnetic material are arranged, as a result of which the magnetic flux emanates from the sharp edges of the soft-magnetic material to the exterior in such a way that it develops the desired force effect particularly favourably and thus provides effective acceleration of the abrasive. In an advantageous way, the feeding mechanism 8 may be provided with a magnetic preaccelerating mechanism 9, 10, which provides a preacceleration of the abrasive tangentially to the correspondingly directed velocity of the rotor in the entry region. In a particularly advantageous way, the magnet 3 is divided into individual magnet bars, which are adjustable, in order to provide an appropriate scattering width (fan) of the abrasive, particularly in the discharging region. <IMAGE>

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B24C 5/08

IPC 8 full level
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