Title (en)

GRINDING ROLL FOR PRESSURE GRINDING GRANULAR MATERIAL

Title (de)

MAHLWALZE FÜR DIE DRUCKZERKLEINERUNG KÖRNIGEN GUTES

Title (fr)

CYLINDRE DE BROYAGE POUR LE BROYAGE PAR PRESSION D'UN MATERIAU EN GRAINS

Publication

EP 1684907 B1 20081224 (DE)

Application

EP 04803217 A 20041122

Priority

- EP 2004013234 W 20041122
- DE 10354679 A 20031122

Abstract (en)

[origin: WO2005049212A1] The aim of the invention is to provide grinding rolls in particular for high-pressure roller mills or rolling presses for pressure grinding a granular material not only with a wear-resistant coating but also with a face armour plating in the area of the roller annular edge, which has a long service life due to the high wear resistance thereof and whose production and repair are, in general, relatively simple and inexpensive. For this purpose, the inventive face armour plating consists of a plurality of prefabricated hard bodies (12) which are circularly arranged side by side in such a way that the circular face edge of the roller is formed, said hard bodies (12) are disposed on said circular face edge of the roller in an annular circular shoulder (11) of a roll shell (10) such that said hard bodies (12) are placed axially and radially against said circular shoulder (11) of the roll shell (10) and are movably assembled with the roll shell.

IPC 8 full level

B02C 4/30 (2006.01)

CPC (source: EP US)

B02C 4/30 (2013.01 - EP US); **B02C 4/305** (2013.01 - EP US)

Cited by

DE102012102192B4; WO2013135540A1; CN104284729A; DE102012102192A1; WO2013135425A1; DE102012102199A1; EP3088085A1; DE102015207927A1; EP2825316B1

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