

Title (en)

Procedure for the manufacture of a wear-resistant surface coating for rollers of high pressure roller mills

Title (de)

Verfahren zum Aufbau einer verschleissfesten Oberflächenpanzerung für die Walzen von Hochdruckwalzenpressen

Title (fr)

Procédé de fabrication d'un revêtement résistant à l'usure pour cylindres de broyeurs à cylindres haute pression

Publication

EP 0634217 B1 19970924 (DE)

Application

EP 94110787 A 19940712

Priority

DE 4324074 A 19930717

Abstract (en)

[origin: EP0634217A1] In order to produce a wear-resistant surface coating for the rollers of high-pressure roller mills for pressure-grinding of granular material, which is suitable for autogenous wear protection, simple in terms of production and has, even when acted upon with great pressing pressure loads, a great service life capacity with a minimised risk of tear formation, it is proposed according to the invention to weld onto the roller surface by form welding a large number of profiles arranged at a distance from one another, such as in particular knob bolts (17), and in particular with the aid of a mould (11) which is placed on the basic roller body (10) and provided with continuous radial openings (12, 13, 14) which are filled with application welding material, whereupon the preferably water-cooled mould (11) is lifted off the roller (10) after solidification of the welding material. <IMAGE>

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IPC 8 full level

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CPC (source: EP US)

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Cited by

DE19646030A1; CN104174457A; DE102004025175A1; DE102004025175B4; DE19707130A1; EP0872280A3; US9476304B2; WO2014182481A1

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EP 94110787 A 19940712; AT 94110787 T 19940712; DE 4324074 A 19930717; DE 59404133 T 19940712; DK 94110787 T 19940712; US 27347994 A 19940711; ZA 945082 A 19940713