

Title (en)

Abrasion-resistant cladding for the roller surfaces of roller machines, in particular high-pressure roller presses

Title (de)

Verschleissfeste Oberflächenpanzerung für die Walzen von Walzenmaschinen, insbesondere von Hochdruck-Walzenpressen

Title (fr)

Blindage de surface résistant à l'usure pour les cylindres de machines à cylindres, en particulier les presses à cylindres à haute pression

Publication

EP 0443195 B2 20000405 (DE)

Application

EP 90125365 A 19901222

Priority

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- DE 4036040 A 19901113

Abstract (en)

[origin: EP0443195A1] In order to provide, for the rollers of roller machines, in particular high-pressure roller presses for pressure-comminuting granular material, an abrasion-resistant cladding which is simple in terms of production technology, easy to draw in and despite profiling and therefore good drawing-in properties also has a high useful life with minimised risk of fracture formation when subjected to high point loading, according to the invention an anti-abrasion protection is proposed which is formed during the operation of the roller press itself in that during the operation of the roller press the intermediate spaces or pockets (15, 36) between the profiles (13, 14, 33) are filled with compressed finely granular material (29, 30) which remains as an (autogenous) anti-abrasion protection during the roller rotations in the intermediate spaces or pockets.
<IMAGE>

IPC 1-7

B02C 4/30

IPC 8 full level

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CPC (source: EP US)

B02C 4/305 (2013.01 - EP US)

Cited by

EP0901828A1; EP0699479A1; US2016101425A1; RU2650906C2; DE4431563A1; DE4422699A1; RU210515U1; EP0578239A3; RU210365U1; EP0634217A1; DE4324074A1; US5601520A; DE102007019437A1; WO2014173877A3; EP3088085A1; DE102015207927A1; EP3088084A1; DE102015207922A1

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