

Title (en)
SIDE SEALING PROTECTION FOR THE ROLLER IN A ROLLER PRESS

Title (de)
SEITENVERSCHLEISSSCHUTZ FÜR DIE ROLLE EINER ROLLENPRESSE

Title (fr)
PROTECTION CONTRE USURE LATÉRALE POUR LES ROULEAUX D'UNE PRESSE A BALLES

Publication
EP 3088085 B1 20201125 (DE)

Application
EP 16167478 A 20160428

Priority
DE 102015207927 A 20150429

Abstract (en)
[origin: CA2928353A1] The side wear protection according to the invention and for the roller of a roller press consists of several side wear protection element surrounding the roller edge. According to the invention the side wear protection elements have a base body consisting of an elastic, ductile material. Furthermore, the base body has a threaded bolt on the side of the base body directed toward the roller axis. Hard bodies are preferably fastened on the cover side and on the front side of the base body. The hard bodies are preferably manufactured from hard metal or from a very firm iron alloy (IFW), for example FeCrMoVC. The volume of the required hard metal can be advantageously significantly reduced by the invention, which is equivalent to a distinct lowering of the expenses. Fitting problems during the incorporation of the hard bodies such as in the prior art are not to be feared. Also, the dismounting of the side wear protection is possible without problems by loosening the screw connection and the previously necessary, expensive heating of the adhesive connection can be eliminated. The holding function of the side wear protection elements is advantageously ensured by the base body consisting of elastic material, which considerably reduces the danger of breakage.

IPC 8 full level
B02C 4/30 (2006.01); **B02C 4/32** (2006.01); **B30B 3/00** (2006.01)

CPC (source: EP US)
B02C 4/305 (2013.01 - EP US); **B02C 4/32** (2013.01 - EP US); **B30B 3/005** (2013.01 - EP US); **B02C 2210/02** (2013.01 - US)

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

DOCDB simple family (publication)
EP 3088085 A1 20161102; EP 3088085 B1 20201125; AU 2016202752 A1 20161117; AU 2016202752 B2 20170720;
CA 2928353 A1 20161029; CA 2928353 C 20180501; CL 2016001039 A1 20170217; DE 102015207927 A1 20161103; EA 031311 B1 20181228;
EA 201600294 A2 20161031; EA 201600294 A3 20161130; EA 201600294 A8 20181130; MX 2016005615 A 20161031;
PE 20161088 A1 20161022; US 2016318025 A1 20161103

DOCDB simple family (application)
EP 16167478 A 20160428; AU 2016202752 A 20160429; CA 2928353 A 20160428; CL 2016001039 A 20160429;
DE 102015207927 A 20150429; EA 201600294 A 20160427; MX 2016005615 A 20160429; PE 2016000561 A 20160427;
US 201615142874 A 20160429