

Title (en)  
HARD ELEMENT FOR GRID ARMORING FOR A ROLLER PRESS, METHOD FOR PRODUCING THE SAME, AND ROLLER FOR A ROLLER PRESS

Title (de)  
HARTKÖRPER ALS RASTERPANZERUNG FÜR EINE ROLLENPRESSE, VERFAHREN ZU DESSEN HERSTELLUNG, UND ROLLE FÜR EINE ROLLENPRESSE

Title (fr)  
CORPS DUR POUR UN BLINDAGE EN RESEAU POUR UNE PRESSE A ROULEAUX, SON PROCEDE DE PRODUCTION, ET ROULEAU POUR UNE PRESSE A ROULEAUX

Publication  
**EP 3088084 B1 20171122 (DE)**

Application  
**EP 16167477 A 20160428**

Priority  
DE 102015207922 A 20150429

Abstract (en)  
[origin: CA2928331A1] The wear-resistant hard body according to the invention consists, at least partially, of a high-strength, iron-based alloy (IFW), and preferably comprises an external shell or sleeve made of another material. Roller press rollers usually have a bandage, often referred to as a roller body, in which the hard bodies are inserted as grid armoring. Particularly preferably, the hard body has a trilaterally closed, external shell. Advantageously, the hard body thus hardly needs any processing to ensure that it fits into the hole in the bandage, as the shell already does. Thus, a defined fit between the bandage and the shelled hard body is made possible. The hard bodies according to the invention with a shell or a sleeve are also referred to as bimetallic studs. Particularly preferably, the wear-resistant hard bodies furthermore have a circular cylindrical shape. Here, the closed front end of the shell, which in the installed state faces the center of the roller, is preferably shaped in a rounded fashion. Advantageously, cracking of the bandage due to sharp edges is thus prevented. Especially preferably, the rounding is a spherical shape.

IPC 8 full level  
**B02C 4/30** (2006.01)

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

Cited by  
BE1027797B1; WO2021105237A1; EP4065282B1; EP4065281B1

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 3088084 A1 20161102; EP 3088084 B1 20171122**; AU 2016202695 A1 20161117; AU 2016202695 B2 20170831; CA 2928331 A1 20161029; CA 2928331 C 20180918; CL 2016001037 A1 20170203; DE 102015207922 A1 20161103; DK 3088084 T3 20180129; PE 20161089 A1 20161022; US 10155226 B2 20181218; US 2016318024 A1 20161103

DOCDB simple family (application)  
**EP 16167477 A 20160428**; AU 2016202695 A 20160428; CA 2928331 A 20160428; CL 2016001037 A 20160429; DE 102015207922 A 20150429; DK 16167477 T 20160428; PE 2016000571 A 20160429; US 201615142123 A 20160429