

Title (en)  
HYDRAULIC ARRAY FOR ROLLER MILLS

Title (de)  
HYDRAULIKANORDNUNG FÜR WÄLZMÜHLEN

Title (fr)  
AGENCEMENT HYDRAULIQUE POUR BROyeurs À ROULEAUX

Publication  
**EP 2408565 B1 20120523 (DE)**

Application  
**EP 10713306 A 20100312**

Priority  
• EP 2010001592 W 20100312  
• DE 202009004025 U 20090319

Abstract (en)  
[origin: WO2010105783A1] The invention relates to a hydraulic array for roller mills, having a spring unit (11) for each grinding roll, a gas/oil reservoir (16, 17) and hydraulic supply systems for changing the operation states of the spring units or grinding rolls. In order to ensure an almost constant crushing power and a uniform contact pressure of the grinding rolls and at the same time reduce the production and assembly costs and the risk of failure of the components of the hydraulic system and to improve the exchange of components or the entire system, each spring unit of a grinding roll is associated, in its proximity, with its proper hydraulic supply unit (20) as a compact hydraulic system and a reservoir station (22) so that the necessary connections can be realized by means of relatively short conduits (23) and high-pressure lines (24). Every hydraulic supply unit can be pre-assembled under dust-free ambient conditions and accommodated for example in a hydraulic cabinet (25) and only needs to be connected on site.

IPC 8 full level  
**B02C 15/04** (2006.01)

CPC (source: EP)  
**B02C 15/04** (2013.01)

Cited by  
DE102012107729A1; WO2020064724A1; US9844784B2

Designated contracting state (EPC)  
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 SE SI SK SM TR

DOCDB simple family (publication)  
**DE 202009004025 U1 20100812**; BR PI1009903 A2 20160315; CN 102348509 A 20120208; CN 102348509 B 20140702; DK 2408565 T3 20120813; EA 022509 B1 20160129; EA 201101289 A1 20120228; EP 2408565 A1 20120125; EP 2408565 B1 20120523; ES 2388598 T3 20121016; JP 2012520976 A 20120910; JP 5417526 B2 20140219; PL 2408565 T3 20120928; WO 2010105783 A1 20100923

DOCDB simple family (application)  
**DE 202009004025 U 20090319**; BR PI1009903 A 20100312; CN 201080012021 A 20100312; DK 10713306 T 20100312; EA 201101289 A 20100312; EP 10713306 A 20100312; EP 2010001592 W 20100312; ES 10713306 T 20100312; JP 2012500128 A 20100312; PL 10713306 T 20100312