

Title (en)  
CLOSED-CIRCUIT CRUSHING MILL

Title (de)  
KREISLAUFMAHLANLAGE

Title (fr)  
SYSTÈME DE BROyage À CIRCULATION

Publication  
**EP 3003562 A1 20160413 (DE)**

Application  
**EP 13765727 A 20130920**

Priority  
• DE 102013008907 A 20130525  
• EP 2013069548 W 20130920

Abstract (en)  
[origin: WO2014191063A1] The invention relates to a closed-circuit crushing mill (1) for comminuting milling material, having at least one high-pressure roller press (2), at least one device for sorting fine milling material (3, 3.1) from the milling material (4) which can be found in the circuit, and at least two devices for conveying (5.1, 5.2) the milling material (4) which can be found in the circuit. According to the invention, the at least one high-pressure roller press (2) is spatially separated from and approximately at the same height as at least one device for sorting fine milling material (3) from the milling material (4) which can be found in the circuit, and the at least two devices for conveying (5.1, 5.2) the milling material (4) which can be found in the circuit cross each other approximately in the center when viewed from the side, wherein the spatial separation preferably equals at least five to twenty times the width or length of the high-pressure rolling press (2). It is thus possible to construct the mill on few solid foundations or on a ship in an advantageous manner.

IPC 8 full level  
**B02C 4/02** (2006.01); **B02C 4/28** (2006.01); **B02C 21/02** (2006.01); **B02C 23/12** (2006.01)

CPC (source: EP US)  
**B02C 4/02** (2013.01 - EP US); **B02C 4/286** (2013.01 - EP US); **B02C 21/02** (2013.01 - EP US); **B02C 23/12** (2013.01 - EP US)

Citation (search report)  
See references of WO 2014191063A1

Citation (examination)  
DE 4223762 A1 19940120 - KLOECKNER HUMBOLDT DEUTZ AG [DE]

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**DE 102013008907 A1 20141127**; AR 096090 A1 20151202; AU 2013242810 A1 20141211; CN 105377435 A 20160302; EP 3003562 A1 20160413; EP 3130402 A1 20170215; EP 3130403 A1 20170215; RU 2015150096 A 20170630; US 2016101427 A1 20160414; WO 2014191063 A1 20141204; WO 2014191063 A4 20150226

DOCDB simple family (application)  
**DE 102013008907 A 20130525**; AR P140101714 A 20140424; AU 2013242810 A 20131010; CN 201380078130 A 20130920; EP 13765727 A 20130920; EP 16188017 A 20130920; EP 16188019 A 20130920; EP 2013069548 W 20130920; RU 2015150096 A 20130920; US 201314893825 A 20130920