

Title (en)
GRINDING MILL

Title (de)
MAHLANLAGE

Title (fr)
INSTALLATION DE BROyage

Publication
EP 2906349 B1 20160803 (DE)

Application
EP 13777001 A 20131009

Priority
• DE 102012109644 A 20121010
• EP 2013071031 W 20131009

Abstract (en)
[origin: WO2014056974A1] The grinding mill according to the invention substantially comprises the following parts: a roller press for crushing brittle material to be ground, which comprises two counter-running grinding rollers, a static classifier with a classifying-material inlet for fresh material to be ground and/or material crushed in the roller press, an aerating base, arranged at an angle to the horizontal and flowed through by classifying gas, a first and a second coarse-material outlet and a fine-material outlet, and a transporting unit, which is in connection with the roller press and the classifying-material inlet of the classifier, in order to raise the fresh material to be ground and/or material crushed in the roller press, wherein the roller press, the transporting unit and the classifier are structurally arranged next to one another and one behind the other in a straight line in the direction of material flow, the classifying-material inlet is arranged on the side of the classifier that is facing the transporting unit, the classifier has a classifying-gas inlet, which is connected to the classifier in a region facing away from the transporting unit, the classifier has two classifying chambers, arranged one above the other, wherein the classifying-material inlet opens out into the upper classifying chamber and the classifying-gas inlet is connected to the lower classifying chamber, and wherein the first coarse-material outlet is connected to the upper classifying chamber and the lower classifying chamber is provided with a second coarse-material outlet.

IPC 8 full level
B02C 21/00 (2006.01); **B02C 4/02** (2006.01); **B02C 23/12** (2006.01); **B07B 4/02** (2006.01); **B07B 9/00** (2006.01)

CPC (source: CN EP US)
B02C 4/02 (2013.01 - CN); **B02C 21/00** (2013.01 - CN); **B02C 21/005** (2013.01 - EP US); **B02C 23/12** (2013.01 - CN EP US); **B07B 4/02** (2013.01 - CN EP US); **B07B 7/01** (2013.01 - EP US); **B07B 9/00** (2013.01 - CN); **B07B 9/02** (2013.01 - EP 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)
WO 2014056974 A1 20140417; AU 2013328753 A1 20150430; AU 2013328753 B2 20170504; BR 112015007989 A2 20170704; CA 2887631 A1 20140417; CA 2887631 C 20200107; CL 2015000888 A1 20151106; CN 104853847 A 20150819; CN 104853847 B 20170908; DE 102012109644 A1 20140515; DE 102012109644 B4 20160211; DK 2906349 T3 20161128; EP 2906349 A1 20150819; EP 2906349 B1 20160803; IN 3737DEN2015 A 20150918; MX 2015004405 A 20150925; MX 355558 B 20180423; PE 20151160 A1 20150829; US 2015258576 A1 20150917; US 9630214 B2 20170425

DOCDB simple family (application)
EP 2013071031 W 20131009; AU 2013328753 A 20131009; BR 112015007989 A 20131009; CA 2887631 A 20131009; CL 2015000888 A 20150408; CN 201380064511 A 20131009; DE 102012109644 A 20121010; DK 13777001 T 20131009; EP 13777001 A 20131009; IN 3737DEN2015 A 20150501; MX 2015004405 A 20131009; PE 2015000470 A 20131009; US 201314435064 A 20131009