

Title (en)
TWIN-ROLL MACHINE, IN PARTICULAR FOR MATERIAL BED MILLING

Title (de)
ZWEIWALZENMASCHINE INSBESONDERE ZUR GUTBETTZERKLEINERUNG

Title (fr)
MACHINE A DEUX CYLINDRES, EN PARTICULIER POUR LE BROYAGE D'UN LIT DE MATIERE

Publication
EP 1848537 A1 20071031 (DE)

Application
EP 06706692 A 20060207

Priority
• EP 2006001038 W 20060207
• DE 102005006090 A 20050210

Abstract (en)
[origin: WO2006084652A1] The aim of the invention is to configure a twin-roll machine, in particular a roll press for the bed milling of a granular material, comprising two rotatably mounted rolls (11, 12) that are separated by a nip and driven in opposite directions in such a way that the hydraulic cylinders that are used to exert the roll compression force no longer need to be supported on a heavy-duty machine frame, which complicates the replacement of the rolls, for example, in the event of a repair. To achieve this, the hydraulic cylinders (15, 16) are located in such a way that they respectively engage with both the bearing housings (14) of one roll (12) and the opposing bearing housings (13) of the other roll (11), forming a closed milling compression force system without the need for a closed machine frame that bears the roll compression forces.

IPC 8 full level
B02C 4/32 (2006.01); **B02C 4/02** (2006.01)

CPC (source: EP US)
B02C 4/02 (2013.01 - EP US); **B02C 4/28** (2013.01 - EP US); **B02C 4/32** (2013.01 - EP US)

Citation (search report)
See references of WO 2006084652A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006084652 A1 20060817; AP 2007004150 A0 20071031; AP 2128 A 20100607; AU 2006212475 A1 20060817;
AU 2006212475 B2 20110630; BR PI0607492 A2 20090908; CA 2597426 A1 20060817; CA 2597426 C 20130514; CN 101142026 A 20080312;
DE 102005006090 A1 20060824; DK 1848537 T3 20170501; EA 011871 B1 20090630; EA 200701546 A1 20080630; EP 1848537 A1 20071031;
EP 1848537 B1 20170118; MX 2007009632 A 20070926; NO 20074543 L 20070907; PE 20061231 A1 20061230; US 2008149749 A1 20080626;
US 7699254 B2 20100420; ZA 200706931 B 20080625

DOCDB simple family (application)
EP 2006001038 W 20060207; AP 2007004150 A 20060207; AU 2006212475 A 20060207; BR PI0607492 A 20060207; CA 2597426 A 20060207;
CN 200680008561 A 20060207; DE 102005006090 A 20050210; DK 06706692 T 20060207; EA 200701546 A 20060207;
EP 06706692 A 20060207; MX 2007009632 A 20060207; NO 20074543 A 20070907; PE 2006000156 A 20060209; US 81605106 A 20060207;
ZA 200706931 A 20070815