

Title (en)

COARSE DIRT COLLECTOR FOR REMOVING COARSE MATERIAL FROM A PULPER AND CORRESPONDING METHOD

Title (de)

GROBSCHMUTZFÄNGERVORRICHTUNG ZUM HERAUSHEBEN DER GROBSTOFFE AUS EINEM PULPER UND ENTSPRECHENDES ARBEITSVERFAHREN

Title (fr)

DISPOSITIF COLLECTEUR D'IMPURETES GROSSIERES POUR ENLEVER PAR SOULEVEMENT LES MATIERES GROSSIERES D'UN TRITURATEUR, ET PROCEDE DE TRAVAIL CORRESPONDANT

Publication

EP 1102884 A1 20010530 (DE)

Application

EP 99929135 A 19990602

Priority

- DE 19829648 A 19980702
- EP 9903853 W 19990602

Abstract (en)

[origin: US7169263B1] The invention relates to a coarse dirt collector (7) for removing coarse material from a pulper (1). The coarse dirt collector (7) comprises a support arm (8) with a collecting basket (9). The collecting basket (9) consists of a frame (11) on which tines (Z) are fixed by means of a grid. The coarse dirt collector can be pivoted into and out of the pulper, to which end it moves about an axis of rotation (A) positioned at an angle to the plane that is perpendicular to the longitudinal axis (P) of the pulper. Said angle is between 20° and 40°. The advantage of said device is that the coarse dirt collector (7) has to carry out only one movement between its collecting and unloading position and unloading can take place automatically without need for a special scraping device. Because of the position of the tines (Z) there is no risk of undesirable loss of coarse material prior to unloading. This minimizes the mechanical and control-engineering related complexity of the device provided for by the invention in relation to the prior art and reduces the raking process cycle time. The coarse dirt collector is constructed such that it has as large a capacity as possible for the collection of coarse material. The coarse dirt collector also makes it possible selectively to remove only light-weight coarse material from the pulper.

IPC 1-7

D21B 1/34

IPC 8 full level

D21B 1/34 (2006.01)

CPC (source: EP KR US)

D21B 1/345 (2013.01 - EP KR US)

Designated contracting state (EPC)

AT BE CH DE ES FI FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)

WO 0001878 A1 20000113; AT E233341 T1 20030315; BR 9911722 A 20010320; BR 9911722 B1 20090811; CA 2335140 A1 20000113; CA 2335140 C 20070109; CZ 20004878 A3 20010516; CZ 293950 B6 20040818; DE 19829648 A1 20000309; DE 19829648 C2 20000629; DE 59904383 D1 20030403; EP 1102884 A1 20010530; EP 1102884 B1 20030226; ES 2194474 T3 20031116; JP 2002519535 A 20020702; JP 4601167 B2 20101222; KR 100530352 B1 20051128; KR 20010071710 A 20010731; PL 190330 B1 20051130; PL 345491 A1 20011217; PT 1102884 E 20030731; US 7169263 B1 20070130

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EP 9903853 W 19990602; AT 99929135 T 19990602; BR 9911722 A 19990602; CA 2335140 A 19990602; CZ 20004878 A 19990602; DE 19829648 A 19980702; DE 59904383 T 19990602; EP 99929135 A 19990602; ES 99929135 T 19990602; JP 2000558261 A 19990602; KR 20017000031 A 20010102; PL 34549199 A 19990602; PT 99929135 T 19990602; US 72087901 A 20010326