

Title (en)

METHOD AND AIR SEPARATOR FOR CLASSIFYING CHARGING MATERIAL REDUCED IN SIZE

Title (de)

VERFAHREN UND WINDSICHTER ZUM KLASSIEREN VON ZERKLEINERTEM AUFGABEGUT

Title (fr)

PROCEDE ET SEPARATEUR A AIR SERVANT A SEPARER DE LA MATIERE DE CHARGEMENT FRACTIONNEE

Publication

EP 1214155 A1 20020619 (DE)

Application

EP 00958521 A 20000904

Priority

- DE 19945646 A 19990923
- EP 0008629 W 20000904

Abstract (en)

[origin: US6644479B1] A method of grading comminuted charging material in a wind sifter having a sifting rotor. The sifting air and the charging material are introduced into a sifting chamber and blocking air is blown into a ring seal region in the transition region between the sifting rotor and a stationary withdrawal duct. In order to be able to adjust the grain size distribution range in the fine material/end product in a reliable manner and with relatively little structural outlay, the grain size distribution in the discharged fine material is adjusted in a selective manner with the aid of a bypass stream, which flows in an alterable volume from the sifting chamber into the withdrawal duct and which is charged with sifter charging material or sifter grit, by controlling the supply of blocking air.

IPC 1-7

B07B 7/083; **B07B 11/04**

IPC 8 full level

B07B 7/083 (2006.01); **B07B 11/04** (2006.01)

CPC (source: EP US)

B07B 7/083 (2013.01 - EP US); **B07B 11/04** (2013.01 - EP US)

Citation (search report)

See references of WO 0121328A1

Cited by

CN105750200A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

US 6644479 B1 20031111; AT E241434 T1 20030615; AU 7001200 A 20010424; DE 19945646 A1 20010405; DE 50002386 D1 20030703; DK 1214155 T3 20030922; EP 1214155 A1 20020619; EP 1214155 B1 20030528; ES 2194768 T3 20031201; WO 0121328 A1 20010329

DOCDB simple family (application)

US 93786102 A 20020410; AT 00958521 T 20000904; AU 7001200 A 20000904; DE 19945646 A 19990923; DE 50002386 T 20000904; DK 00958521 T 20000904; EP 0008629 W 20000904; EP 00958521 A 20000904; ES 00958521 T 20000904