

Title (en)
Screening apparatus

Title (de)
Siebeinrichtung

Title (fr)
Dispositif de tamisage

Publication
EP 0955101 A3 20000802 (DE)

Application
EP 99108452 A 19990430

Priority
DE 19819866 A 19980504

Abstract (en)
[origin: DE19819866C1] The sieve arrangement has a main sieve (2) and a pre-sieve (16) which is relatively movable with respect to the main sieve. Main (17) and auxiliary (18) beating units are associated with the main and pre-sieves respectively. Both sieves are cylindrical, with the pre-sieve and auxiliary beating unit being rotatable at various speeds, and the auxiliary beating unit being rotatably supported on the drive axle (7) of the pre-sieve. An auxiliary axle (23) drives the auxiliary beating unit via the drive axle, with both axles being associated with drive wheels (10,25) of differing operational diameter which are linked to a drive motor (14). The auxiliary beating unit is formed as a conveyor screw having a lower conveying power than a feed screw (5) of an intake (4) of the pre-sieve, and also has an air channel (30) and is supported at a flushing chamber (32).

IPC 1-7
B07B 1/20; **B07B 1/24**

IPC 8 full level
B07B 1/20 (2006.01); **B07B 1/24** (2006.01)

CPC (source: EP)
B07B 1/20 (2013.01); **B07B 1/24** (2013.01)

Citation (search report)
• [AD] DE 4331782 C1 19940818 - REIMELT DIETRICH KG [DE]
• [A] DE 30775 C
• [A] DE 37093 C
• [AD] US 4202759 A 19800513 - HALUCH LEONARD M [US], et al

Cited by
CN102764729A; CN103447240A; CN102688795A; US11311910B2; WO2021078158A1

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)
DE 19819866 C1 19990415; DE 59907833 D1 20040108; EP 0955101 A2 19991110; EP 0955101 A3 20000802; EP 0955101 B1 20031126

DOCDB simple family (application)
DE 19819866 A 19980504; DE 59907833 T 19990430; EP 99108452 A 19990430