

Title (en)
SIEVE DEVICE.

Title (de)
SIEBVORRICHTUNG.

Title (fr)
DISPOSITIF DE TAMISAGE.

Publication
EP 0168495 A1 19860122 (DE)

Application
EP 85901408 A 19850223

Priority
• DE 3407460 A 19840229
• DE 8406281 U 19840229

Abstract (en)
[origin: US4693379A] PCT No. PCT/EP85/00068 Sec. 371 Date Oct. 23, 1985 Sec. 102(e) Date Oct. 23, 1985 PCT Filed Feb. 23, 1985 PCT Pub. No. WO85/03889 PCT Pub. Date Sep. 12, 1985. A screening apparatus, particularly for screening valuable materials, domestic garbage, industrial garbage, bulky garbage, dry garbage, wet garbage, compost and/or problematic and dangerous materials, including inclined, open-ended bars capable of oscillatory movement arranged in a transport direction and forming at least two bar grating screens forming a stepped arrangement of bar grating screens with one screen located behind the other in the transport direction. The bar grating screens have bars that are tapered in the transport direction. The apparatus further includes an inlet portion and a preliminary distributor path for feeding in material upstream of at least the upper bar grating screen of the stepped arrangement. A screen frame accommodates the bar grating screens, the inlet portion and the preliminary distributor path. The inlet portion and the preliminary distributor path comprise approximately one third of the entire length of the screening apparatus. Rubber oscillating elements are provided on which the screen frame is mounted. An eccentric drive mechanism is provided for causing the screen frame to perform a circular oscillating movement with a large circular oscillating diameter of approximately 100 mm.

Abstract (fr)
Le dispositif de tamisage sert d'alimentateur et de séparateur de matériaux difficilement séparables, tels que les ordures ménagères, les déchets industriels, les déchets encombrants ou secs. Dans le but d'avoir un effet de nettoyage et de répartition optimal, on prévoit deux tamis de grillage (12, 13) superposés, constitués de barres se chevauchant, ayant une section conique et qui sont libres à leurs extrémités. L'effet de nettoyage du dispositif est amélioré par le décalage à gradins des tamis (12, 13) et par l'effet de circulation qui s'ensuit. Le mouvement d'oscillation est obtenu par des éléments oscillants en caoutchouc et par un entraînement excentrique.

IPC 1-7
B07B 1/12; **B07B 1/38**; **B07B 1/46**

IPC 8 full level
B09B 5/00 (2006.01); **B07B 1/12** (2006.01); **B07B 1/38** (2006.01); **B07B 1/46** (2006.01)

CPC (source: EP US)
B07B 1/12 (2013.01 - EP US); **B07B 1/38** (2013.01 - EP US); **B07B 1/46** (2013.01 - EP US); **B07B 2201/04** (2013.01 - EP US); **Y10S 209/93** (2013.01 - EP US)

Citation (search report)
See references of WO 8503889A1

Cited by
DE4416457A1

Designated contracting state (EPC)
AT BE CH DE FR GB LI NL SE

DOCDB simple family (publication)
US 4693379 A 19870915; CA 1275071 A 19901009; DE 3407460 A1 19850829; DE 3407460 C2 19861030; DE 8406281 U1 19850725; EP 0154876 A1 19850918; EP 0168495 A1 19860122; EP 0168495 B1 19871014; JP S61501687 A 19860814; NO 854172 L 19851021; WO 8503889 A1 19850912

DOCDB simple family (application)
US 79369085 A 19851023; CA 475248 A 19850227; DE 3407460 A 19840229; DE 8406281 U 19840229; EP 8500068 W 19850223; EP 85102037 A 19850223; EP 85901408 A 19850223; JP 50118785 A 19850223; NO 854172 A 19851021