

Title (en)

Device for separating a mixture of materials with different specific gravity.

Title (de)

Vorrichtung zum Trennen einer Materialmischung aus Materialien mit unterschiedlichem spezifischen Gewicht.

Title (fr)

Dispositif pour la séparation d'un mélange de matières de poids spécifiques différents.

Publication

**EP 0546442 B1 19950712 (DE)**

Application

**EP 92120598 A 19921203**

Priority

DE 4140584 A 19911210

Abstract (en)

[origin: EP0546442A2] Device for separating a mixture of materials with different specific gravities, which device has a feeding device (1, 5) for feeding a mixture of materials to a driven screening device (2, 22, 32, 33, 35), which is arranged so that its axis of rotation (11) is transverse to the conveying direction (6) of the feeding device (1, 5), it being possible to feed the mixture of materials to the outside of the screening device (2, 22, 32, 33, 35) and an air blowing device (15, 16) being arranged in the region of transition (14) between the feeding device (1, 5) and the screening device. In order to produce a device for separating a mixture of materials which is not prone to malfunctions and blockages and separates with a high degree of precision and purity, provision is made for the screening device (2) to be arranged with its axis of rotation (11) transverse to the conveying direction (6) of the feeding device (1), for an air blowing device (15, 16) to be arranged in the region of transition between the feeding device (1) and the screening device (2) and for the mixture of materials to be fed to the outside of the screening device (2). <IMAGE>

IPC 1-7

**B07B 4/02; B07B 13/00**

IPC 8 full level

**B07B 4/02** (2006.01); **B07B 13/00** (2006.01); **B07B 13/11** (2006.01); **B07B 13/16** (2006.01); **B07B 15/00** (2006.01)

CPC (source: EP)

**B07B 4/02** (2013.01); **B07B 13/003** (2013.01); **B07B 13/11** (2013.01); **B07B 13/16** (2013.01); **B07B 15/00** (2013.01)

Cited by

DE102010016735A1; WO2008059209A1; CN104998830A; CN103189150A; AU2010360616B2; EP1960111A4; EP3208001A1; GB2456990A; GB2456990B; US7942273B2; DE202008008551U1; US8857621B2; US10233036B2; DE202016102456U1; EP2786810A1; WO03028906A1; WO2012034547A1; EP2366461A1; US7677396B2; US7434695B2; US8430249B2; JP2013537101A

Designated contracting state (EPC)

AT BE CH DE DK FR GB LI NL SE

DOCDB simple family (publication)

**EP 0546442 A2 19930616; EP 0546442 A3 19940112; EP 0546442 B1 19950712**; AT E124892 T1 19950715; DE 4140584 A1 19930617; DE 4140584 C2 19950126; DE 59202873 D1 19950817

DOCDB simple family (application)

**EP 92120598 A 19921203**; AT 92120598 T 19921203; DE 4140584 A 19911210; DE 59202873 T 19921203