

Title (en)
Bulk material separator

Title (de)
Schüttgut-Sichter

Title (fr)
Trieur pour marchandise en vrac

Publication
EP 1591171 B1 20070509 (DE)

Application
EP 05006195 A 20050322

Priority
DE 102004020379 A 20040423

Abstract (en)
[origin: EP1591171A1] An assembly classifies bulk grains e.g. plastics granules and has a mantle (1) with a first (26) and second (27) sorting zones. The lower sorting zone has an annular air inlet (24) via a throttle gap (23) into a classifying void (26) at a higher level. The classifying void (26) is located under a diverging feed funnel (5) that translates to a tube with parallel sides (17). The cross sectional area of the throttle gap (23) is about 30 to 50 % of that of the annular air inlet (24).

IPC 8 full level
B07B 4/02 (2006.01); **B07B 7/01** (2006.01); **B07B 7/02** (2006.01); **B07B 9/02** (2006.01)

CPC (source: EP)
B07B 4/02 (2013.01); **B07B 7/01** (2013.01); **B07B 7/02** (2013.01); **B07B 9/02** (2013.01)

Cited by
CN105214950A; CN115228546A; US7068374B2

Designated contracting state (EPC)
BE DE FR

DOCDB simple family (publication)
EP 1591171 A1 20051102; EP 1591171 B1 20070509; DE 102004020379 A1 20051110; DE 502005000680 D1 20070621

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