

Title (en)
Cyclone separator

Title (de)
Zyklonsichter

Title (fr)
Séparateur cyclonique

Publication
EP 1529568 B1 20080730 (DE)

Application
EP 04026293 A 20041105

Priority
DE 10352525 A 20031105

Abstract (en)
[origin: EP1529568A2] Cyclone separator (1) comprises a cylindrical housing part (20) containing a separating wheel (10) and having a tangential inlet housing (3) and a fine dust outlet (8), and a lower separating region (7) consisting of a conical housing (21) adjoining the bottom of the cylindrical housing part and having a product outlet (25) and a secondary air inlet (24). The flow cross-section in the flow direction of the product is constricted at at least one point (9) in front of the separator region. Preferred Features: The flow cross-section is constructed between the separator wheel and the wall (20a) of the cylindrical housing part.

IPC 8 full level
B04C 5/103 (2006.01); **B04C 9/00** (2006.01); **B07B 7/083** (2006.01)

CPC (source: EP)
B04C 5/103 (2013.01); **B04C 9/00** (2013.01); **B07B 7/083** (2013.01)

Cited by
DE102016106588A1; CN107185837A; WO2017178379A2; EP3461565A1; US11117167B2; DE102016106588B4

Designated contracting state (EPC)
DE GB IT

DOCDB simple family (publication)
EP 1529568 A2 20050511; EP 1529568 A3 20060607; EP 1529568 B1 20080730; DE 10352525 A1 20050616; DE 10352525 B4 20090305; DE 10352525 B9 20090723; DE 502004007721 D1 20080911

DOCDB simple family (application)
EP 04026293 A 20041105; DE 10352525 A 20031105; DE 502004007721 T 20041105