

Title (en)

Device to remove dust from air full of dust, especially for use in a vacuum cleaner

Title (de)

Vorrichtung zum Abscheiden von Staub aus staubbeladener Luft, insbesondere zur Verwendung in einem Staubsauger

Title (fr)

Dispositif destiné à la séparation de poussière d'air chargé en poussière, notamment en vue de l'utilisation dans un aspirateur

Publication

EP 2078488 A3 20110601 (DE)

Application

EP 08021146 A 20081205

Priority

DE 102008004393 A 20080114

Abstract (en)

[origin: EP2078488A2] The device, particularly cyclone separator has a container (11), which is formed in such a manner that flow rate in an outlet area is smaller than in the area of the inlet (12). The middle distance of the inlet from a symmetry axis is smaller than the radius of the outlet, where the extension is formed in funnel shape.

IPC 8 full level

A47L 9/16 (2006.01)

CPC (source: EP US)

A47L 9/1608 (2013.01 - EP US); **A47L 9/165** (2013.01 - EP US); **A47L 9/1666** (2013.01 - EP US); **A47L 9/1683** (2013.01 - EP US); **B04C 5/081** (2013.01 - EP US); **B04C 5/103** (2013.01 - EP US); **B04C 5/13** (2013.01 - EP US)

Citation (search report)

- [XP] EP 1985217 A2 20081029 - SAMSUNG KWANGJU ELECTRONICS CO [KR]
- [X] EP 1602308 A1 20051207 - IZUMI PROD CO [JP]
- [XP] DE 102006046328 A1 20080403 - MIELE & CIE [DE]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2078488 A2 20090715; **EP 2078488 A3 20110601**; **EP 2078488 B1 20140226**; DE 102008004393 B3 20090716; US 2009178378 A1 20090716

DOCDB simple family (application)

EP 08021146 A 20081205; DE 102008004393 A 20080114; US 35302109 A 20090113