

Title (en)

Collecting vessel for catching particles for a centrifugal separator

Title (de)

Auffangbehälter zum Auffangen von Partikeln für einen Wirbelabscheider

Title (fr)

Récipient de collecte pour la collecte de particules pour un séparateur à tourbillon

Publication

**EP 2628429 A3 20160817 (DE)**

Application

**EP 13154068 A 20130205**

Priority

DE 102012202286 A 20120215

Abstract (en)

[origin: EP2628429A2] The container (150) has a housing element (160) partially defining a collecting volume (190) of the container. An opening (180) is formed and arranged in the housing element so that particles reach from a separation chamber (110) of a swirl separator into the volume through the opening due to swirl prevailing in the chamber. The housing element includes a conducting structure (200), which is designed so that a gas flow i.e. air flow, entering perpendicular through the opening partially produces flow components parallel to the opening. The housing element is made of injection moldable plastic.

IPC 8 full level

**A47L 9/16** (2006.01)

CPC (source: EP)

**A47L 9/1683** (2013.01)

Citation (search report)

- [X] DE 202011003563 U1 20110519 - SEB S A LES 4 M [FR]
- [X] DE 10356156 A1 20041230 - SAMSUNG KWANGJU ELECTRONICS CO [KR]
- [X] US 2006080947 A1 20060420 - LEE HYUN-JU [KR], et al
- [X] US 6662403 B2 20031216 - OH JANG-KEUN [KR]
- [X] US 6625845 B2 20030930 - MATSUMOTO YUKIMICHI [JP], et al
- [X] US 6171356 B1 20010109 - TWERDUN FRANK [CA]

Designated contracting state (EPC)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2628429 A2 20130821; EP 2628429 A3 20160817; EP 2628429 B1 20180103**; DE 102012202286 A1 20130822

DOCDB simple family (application)

**EP 13154068 A 20130205**; DE 102012202286 A 20120215