

Title (en)
CYCLONE SEPARATION APPARATUS AND VACUUM CLEANER

Title (de)
ZYKLONABSCHEIDUNGSVORRICHTUNG UND STAUBSAUGER

Title (fr)
APPAREIL DE SÉPARATION À CYCLONE ET ASPIRATEUR

Publication
EP 3622873 A1 20200318 (EN)

Application
EP 17909587 A 20170511

Priority
JP 2017017924 W 20170511

Abstract (en)
A cyclone separation device includes a swirl chamber (29) for swirling a dust-containing air along the sidewall therein to separate dust from the dust-containing air, and a dust collection chamber communicating with the inside of the swirl chamber (29). The dust collection chamber is configured to be able to be in a collection state for collecting the dust separated by the swirl chamber and in a disposal state for disposing of the collected dust. The inner wall surface of the dust collection chamber is in a first state when the dust collection chamber is in the collection state, and become in a second state when the dust collection chamber become in the disposal state. A property of the inner wall surface of the dust collection chamber in the first state to the dust is different from a property of the inner wall surface of the dust collection chamber in the second state to the dust.

IPC 8 full level
A47L 9/16 (2006.01)

CPC (source: EP)
A47L 9/16 (2013.01); **A47L 9/1683** (2013.01)

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 3622873 A1 20200318; **EP 3622873 A4 20200603**; **EP 3622873 B1 20230719**; CN 110612052 A 20191224; CN 110612052 B 20210615; JP 6822559 B2 20210127; JP WO2018207327 A1 20191107; WO 2018207327 A1 20181115

DOCDB simple family (application)
EP 17909587 A 20170511; CN 201780090478 A 20170511; JP 2017017924 W 20170511; JP 2019516832 A 20170511