

Title (en)  
VACUUM CLEANER

Title (de)  
STAUBSAUGER

Title (fr)  
ASPIRATEUR

Publication  
**EP 4230104 A1 20230823 (EN)**

Application  
**EP 21880577 A 20211015**

Priority  
• KR 20200134294 A 20201016  
• KR 2021014332 W 20211015

Abstract (en)  
Disclosed is a cleaner, including: a suction unit through which air comprising dust is sucked; a suction motor for generating a flow of the air such that the air flows into the suction unit; a cyclone unit in communication with the suction unit, for separating the dust from the air; a handle arranged in a direction opposite to the suction unit with respect to the cyclone unit and including a grip part allowing a user to grip with a hand; and a power supply unit for supplying power to the suction motor, and a longitudinal axis of the suction motor is disposed perpendicular to a longitudinal axis of the suction unit and parallel to a base surface of the power supply unit.

IPC 8 full level  
**A47L 9/22** (2006.01); **A47L 9/28** (2006.01); **A47L 9/32** (2006.01)

CPC (source: EP KR US)  
**A47L 5/24** (2013.01 - EP); **A47L 9/16** (2013.01 - EP); **A47L 9/1633** (2013.01 - EP); **A47L 9/1666** (2013.01 - US);  
**A47L 9/22** (2013.01 - EP KR US); **A47L 9/2857** (2013.01 - KR US); **A47L 9/2884** (2013.01 - EP); **A47L 9/322** (2013.01 - EP KR US)

Citation (search report)  
See references of WO 2022080930A1

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

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4230104 A1 20230823**; CN 116507255 A 20230728; KR 20220050526 A 20220425; US 2023404347 A1 20231221;  
WO 2022080930 A1 20220421

DOCDB simple family (application)  
**EP 21880577 A 20211015**; CN 202180070458 A 20211015; KR 20200134294 A 20201016; KR 2021014332 W 20211015;  
US 202118248481 A 20211015