

Title (en)
VACUUM CLEANER

Title (de)
STAUBSAUGER

Title (fr)
ASPIRATEUR

Publication
EP 4070706 A4 20230419 (EN)

Application
EP 20895671 A 20200602

Priority
• KR 20190159190 A 20191203
• KR 2020007172 W 20200602

Abstract (en)
[origin: EP4070706A1] A vacuum cleaner is disclosed. The vacuum cleaner according to the present disclosure includes a main body and a suction nozzle. The suction nozzle includes a main housing and a driver. The driver includes a motor and a transmission. The motor is provided behind a rotating brush. The transmission transfers rotational motion of the motor to the rotating brush.

IPC 8 full level
A47L 9/04 (2006.01); **A46B 13/00** (2006.01); **A46B 13/02** (2006.01)

CPC (source: EP KR US)
A46B 13/006 (2013.01 - EP US); **A46B 13/02** (2013.01 - EP US); **A46D 1/0207** (2013.01 - EP); **A47L 5/26** (2013.01 - EP); **A47L 9/0411** (2013.01 - EP KR US); **A47L 9/0433** (2013.01 - EP); **A47L 9/0444** (2013.01 - EP KR US); **A47L 9/0455** (2013.01 - EP); **A47L 9/0477** (2013.01 - EP KR US); **A47L 9/248** (2013.01 - EP); **A46B 2200/3033** (2013.01 - EP US)

Citation (search report)
• [X] WO 2011158596 A1 20111222 - MITSUBISHI ELECTRIC CORP [JP], et al
• [X] US 5701633 A 19971230 - JONISCHUS JUERGEN [CH]
• [X] WO 2018188330 A1 20181018 - SUZHOU VACS ELECTRICAL CO LTD [CN]
• [X] DE 4105012 A1 19921022 - FEDAG ROMANSHORN FA [CH]
• See references of WO 2021112356A1

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

DOCDB simple family (publication)
EP 4070706 A1 20221012; EP 4070706 A4 20230419; AU 2020396356 A1 20220721; CN 114745998 A 20220712; KR 20210069408 A 20210611; TW 202122026 A 20210616; TW I753466 B 20220121; US 2022400914 A1 20221222; WO 2021112356 A1 20210610

DOCDB simple family (application)
EP 20895671 A 20200602; AU 2020396356 A 20200602; CN 202080084130 A 20200602; KR 20190159190 A 20191203; KR 2020007172 W 20200602; TW 109121394 A 20200623; US 202017777349 A 20200602