

Title (en)
CLEANING DEVICE

Title (de)
REINIGUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE NETTOYAGE

Publication
EP 3981311 A4 20220817 (EN)

Application
EP 20836105 A 20200407

Priority
• CN 201910621671 A 20190710
• CN 2020083519 W 20200407

Abstract (en)
[origin: EP3981311A1] A cleaning device, comprising a water pumping apparatus (30), a cleaning area (10a) and a work execution mechanism (20). The water pumping apparatus (30) comprises a receiving part (31) and a transitional connecting mechanism (33). An accommodating space (310) and a water outlet (30b) that communicates with the accommodating space (310) are formed in the receiving part (31), and the water outlet (30b) communicates with the cleaning area (10a). The transitional connecting mechanism (33) is in drive connection with the work execution mechanism (20), and the transitional connecting mechanism (33) may pump water in the accommodating space (310) into the cleaning area (10a) under the drive of the work execution mechanism (20). The cleaning device uses the ready-made work execution mechanism (20) as a power source, and drives a water pumping operation by means of the transitional connecting mechanism (33) without the need for control by means of a control circuit. The apparatus has high structural reliability and low fabrication costs.

IPC 8 full level
A47L 11/26 (2006.01); **A47L 11/40** (2006.01); **A47L 13/22** (2006.01)

CPC (source: CN EP KR US)
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Citation (search report)
• [XA] CN 108433654 A 20180824 - SUZHOU HAILY ELECTRIC CO LTD
• [X] CN 108523769 A 20180914 - XIE FENG
• [X] CN 102379661 A 20120321 - SUZHOU EUP ELECTRICAL APPLIANCE CO LTD
• [X] CN 204839354 U 20151209 - ECOVACS ROBOTICS CO LTD
• See references of WO 2021004105A1

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)
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EP 3981311 A1 20220413; **EP 3981311 A4 20220817**; CN 112205935 A 20210112; JP 2022539613 A 20220912; KR 20220024987 A 20220303; US 2022280012 A1 20220908; WO 2021004105 A1 20210114

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