

Title (en)
CLEANING ASSEMBLY AND CLEANING ROBOT

Title (de)
REINIGUNGSANORDNUNG UND REINIGUNGSROBOTER

Title (fr)
ENSEMBLE DE NETTOYAGE ET ROBOT DE NETTOYAGE

Publication
EP 4062817 A1 20220928 (EN)

Application
EP 22164247 A 20220324

Priority
CN 202110323260 A 20210325

Abstract (en)
A cleaning assembly configured for mounting on a main body of a cleaning robot includes a cleaning component, a first connecting rod with one end swingingly connected to the cleaning component and the other end swingingly connected to the main body, and a second connecting rod with one end swingingly connected to the cleaning component and the other end swingingly connected to the main body. The first connecting rod, the cleaning component, the second connecting rod, and the main body cooperatively form a link mechanism to lift or lower the cleaning member by a reciprocating movement of the link mechanism, and a driving device is configured to drive the link mechanism to perform the reciprocating movement. The adaptability of the cleaning robot using the cleaning assembly is improved since the cleaning component can be lifted or lowered.

IPC 8 full level
A47L 11/40 (2006.01)

CPC (source: CN EP US)
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A47L 11/4038 (2013.01 - CN EP); **A47L 11/4055** (2013.01 - EP US); **A47L 11/4069** (2013.01 - CN EP US); **A47L 2201/00** (2013.01 - CN);
A47L 2201/04 (2013.01 - US); **A47L 2201/06** (2013.01 - EP)

Citation (search report)
• [XA] CN 110215166 A 20190910 - SUZHOU GAOZHIXIAN AUTOM TECH CO LTD, et al
• [XA] CN 112168076 A 20210105 - HRG INT INST RES & INNOVATION
• [XA] EP 2756787 A1 20140723 - SAMSUNG ELECTRONICS CO LTD [KR]
• [A] EP 3482669 A1 20190515 - VORWERK CO INTERHOLDING [DE]
• [A] WO 2019233493 A1 20191212 - POSITEC POWER TOOLS SUZHOU CO LTD [CN]

Designated contracting state (EPC)
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Designated extension state (EPC)
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EP 4062817 A1 20220928; EP 4062817 B1 20230816; CN 112914431 A 20210608; CN 112914431 B 20220621; US 2022304536 A1 20220929

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