

Title (en)

ROBOTIC CLEANING APPARATUS AND RELATED METHODS

Title (de)

ROBOTISCHE REINIGUNGSVORRICHTUNG UND VERWANDTE VERFAHREN

Title (fr)

APPAREIL DE NETTOYAGE ROBOTIQUE ET PROCÉDÉS ASSOCIÉS

Publication

EP 3415064 A1 20181219 (EN)

Application

EP 18166055 A 20180406

Priority

- US 201762520803 P 20170616
- CN 201710683758 A 20170811
- CN 201810205158 A 20180313
- US 201815919798 A 20180313

Abstract (en)

A robotic cleaning apparatus (100) for cleaning a dirty object (104) includes a cleaning head (124) and an articulated body (116). The articulated body (116) is coupled to the cleaning head (124) and mountable to the dirty object. The body (116) has one or more actuators (136) that collectively move the cleaning head (124) into contact with surfaces of the dirty object (104). The one or more actuators (136), when activated, collectively rotate the cleaning head (124) relative to the dirty object (104) about first and second axes, and translate the cleaning head relative to the dirty object along an extension axis. A method of robotically cleaning is also disclosed.

IPC 8 full level

A47K 17/00 (2006.01); **B25J 11/00** (2006.01); **B25J 13/00** (2006.01); **B25J 18/02** (2006.01); **E03D 9/00** (2006.01); **G05D 1/02** (2006.01)

CPC (source: EP)

A47K 17/00 (2013.01); **E03D 9/002** (2013.01)

Citation (search report)

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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

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