

Title (en)

CLEANING ROLLER FOR CLEANING ROBOTS

Title (de)

REINIGUNGSWALZE FÜR REINIGUNGSROBOTER

Title (fr)

ROULEAU DE NETTOYAGE POUR ROBOTS DE NETTOYAGE

Publication

EP 3613322 A1 20200226 (EN)

Application

EP 17200982 A 20161215

Priority

- EP 17200982 A 20161215
- EP 16900773 A 20161215
- US 2016066942 W 20161215

Abstract (en)

A cleaning roller 104 a/b mountable to a cleaning robot 102 includes an elongate shaft 228 a/b extending from a first end portion 110a to a second end portion 112a along an axis of rotation 126 a/b . The first and second end portions are mountable to the cleaning robot for rotating about the axis of rotation. The cleaning roller further includes a core 304 affixed around the shaft and having outer end portions 314, 316 positioned along the elongate shaft and proximate the first and second end portions. The core tapers from proximate the first end portion of the shaft toward a center 326 of the shaft. The cleaning roller further includes a sheath 220 a/b affixed to the core and extending beyond the outer end portions of the core. The sheath includes a first half 322 and a second half 324 each tapering toward the center of the shaft.

IPC 8 full level

A47L 9/04 (2006.01)

CPC (source: EP)

A47L 9/0477 (2013.01); **A47L 11/4041** (2013.01); **A47L 2201/00** (2013.01)

Citation (search report)

[A] US 4908898 A 19900320 - KUBO CHIKANARI [JP]

Cited by

WO2021217029A1

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

DOCDB simple family (publication)

WO 2018111279 A1 20180621; AU 2016406798 A1 20180705; AU 2016406798 B2 20230518; EP 3554331 A1 20191023; EP 3554331 A4 20201209; EP 3554331 B1 20230830; EP 3613322 A1 20200226; EP 3613322 B1 20210519; JP 2020501615 A 20200123; JP 6789981 B2 20201125; MY 195298 A 20230112

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US 2016066942 W 20161215; AU 2016406798 A 20161215; EP 16900773 A 20161215; EP 17200982 A 20161215; JP 2017558977 A 20161215; MY PI2019000812 A 20161215