

Title (en)

CLEANING ROLLER FOR CLEANING ROBOTS

Title (de)

REINIGUNGSWALZE FÜR REINIGUNGSROBOTER

Title (fr)

ROULEAU DE NETTOYAGE POUR ROBOTS DE NETTOYAGE

Publication

**EP 3554331 A4 20201209 (EN)**

Application

**EP 16900773 A 20161215**

Priority

US 2016066942 W 20161215

Abstract (en)

[origin: WO2018111279A1] A cleaning roller mountable to a cleaning robot includes an elongate shaft extending from a first end portion to a second end portion along an axis of rotation. 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 affixed around the shaft and having outer end portions 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 of the shaft. The cleaning roller further includes a sheath affixed to the core and extending beyond the outer end portions of the core. The sheath includes a first half and a second half 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]

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)

**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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