

Title (en)  
CLEANING IMPLEMENT

Title (de)  
REINIGUNGSGERÄT

Title (fr)  
DISPOSITIF DE NETTOYAGE

Publication  
**EP 3246101 A4 20180725 (EN)**

Application  
**EP 15877879 A 20150625**

Priority  
• JP 2015006486 A 20150116  
• JP 2015068404 W 20150625

Abstract (en)  
[origin: EP3246101A1] A cleaning implement equipped with: a shaft part (12) having an insertion end section (12a) and a base end section; and a cleaning part comprising an elastomer and capable of cleaning a gap. The shaft part (12) has a shape that can be flexurally deformed so as to allow displacement of the insertion end section (12a) relative to the base end section in the axially perpendicular direction. The cleaning part has a cleaning-part body (22) and a guide part (24) for projecting farther outward in the axial direction than the insertion end section (12a), and guiding the insertion of the cleaning-part body (22) into a gap. The projection dimension (t2) of the guide part (24) from the insertion end section (12a) is equal to or greater than the thickness (t1) of the cleaning-part body (22), and the guide part (24) has a shape that can be elastically deformed so as to be displaced relative to the insertion end section (12a) in the axially perpendicular direction.

IPC 8 full level  
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CPC (source: EP US)  
**A46B 3/04** (2013.01 - EP); **A46D 1/0253** (2013.01 - EP US); **A47L 25/00** (2013.01 - EP US); **B08B 1/00** (2013.01 - US);  
**B08B 1/12** (2024.01 - EP); **B08B 1/143** (2024.01 - EP); **B08B 1/145** (2024.01 - EP); **B08B 1/165** (2024.01 - EP); **A46B 2200/3073** (2013.01 - EP)

Citation (search report)  
• [XA] US 6240592 B1 20010605 - LI BERNARD A [US]  
• [XA] US 5283924 A 19940208 - KAMINSKI JOHN A [US], et al  
• [A] US 3724018 A 19730403 - SILLS A  
• See references of WO 2016113927A1

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)  
**EP 3246101 A1 20171122; EP 3246101 A4 20180725; EP 3246101 B1 20211020**; CN 107107124 A 20170829; CN 107107124 B 20200505;  
JP 2016131908 A 20160725; JP 6082038 B2 20170215; US 2018279766 A1 20181004; WO 2016113927 A1 20160721

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**EP 15877879 A 20150625**; CN 201580073553 A 20150625; JP 2015006486 A 20150116; JP 2015068404 W 20150625;  
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