

Title (en)
Cleaning device

Title (de)
Reinigungsvorrichtung

Title (fr)
Appareil de nettoyage

Publication
EP 2147625 A1 20100127 (DE)

Application
EP 09009332 A 20090717

Priority
DE 102008034005 A 20080721

Abstract (en)
The apparatus has an inlet for a working fluid e.g. water, and a drive part (27) for driving a set of cleaning members (11) e.g. brushes, to perform a cleaning movement. An adjusting unit adjusts the cleaning members relative to each other such that the separation of adjacent cleaning members and perpendicular spacings between axes of rotation of adjacent cleaning members is changed. A supply device supplies the working fluid to the cleaning members. The drive part has a common shaft and a worm gear, which are set into rotation centrally and simultaneously co-operate with the cleaning members.

Abstract (de)
Die Erfindung betrifft eine Reinigungsvorrichtung, insbesondere einen tragbaren Handreiniger, der ein Arbeitsfluid zuführbar ist und die eine Mehrzahl von, insbesondere bürstenartigen, Reinigungsorganen aufweist, welche zu einer Reinigungsbewegung antreibbar sind, wobei die Reinigungsorgane relativ zueinander verstellbar sind.

IPC 8 full level
A47L 1/08 (2006.01); **A47L 4/00** (2006.01); **A47L 11/38** (2006.01)

CPC (source: EP US)
A47L 1/08 (2013.01 - EP US); **A47L 4/00** (2013.01 - EP US); **A47L 11/38** (2013.01 - EP US); **A47L 11/4041** (2013.01 - EP US); **A47L 11/4069** (2013.01 - EP US); **A47L 11/4088** (2013.01 - EP US)

Citation (applicant)
• DE 102004034819 B3 20050811 - EHMANN THOMAS [DE], et al
• EP 1949836 A2 20080730 - JAEGER ANTON [DE]

Citation (search report)
• [PX] EP 1949836 A2 20080730 - JAEGER ANTON [DE]
• [XAY] DE 202006017854 U1 20070208 - HALUPCZOK TORSTEN [DE]
• [XAY] US 2816304 A 19571217 - PETERSON CLARENCE A

Cited by
EP2952117A1; CN110575043A; CN112353288A; EP2441347A1; US8789229B2; US10075126B2; US8844086B2; EP4122364A1; US9377219B2; WO2023001433A1; WO2023001435A1

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2147625 A1 20100127; **EP 2147625 B1 20130417**; DE 102008034005 A1 20100128; US 2010014910 A1 20100121

DOCDB simple family (application)
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