

Title (en)

Hand-held cleaning device for cleaning conduits

Title (de)

Handgeführtes Reinigungsgerät für die Reinigung von Rohrleitungen

Title (fr)

Appareil de nettoyage manuel pour le nettoyage de conduites

Publication

EP 2371462 A3 20130123 (DE)

Application

EP 11001820 A 20110304

Priority

DE 102010013252 A 20100329

Abstract (en)

[origin: EP2371462A2] The device (1) has a motor (2), and a drum (5) for receiving and outputting of spring shaft (6). A chamber (10) in which multiple rollers with axes are arranged, where the rollers act radially on the shaft. The axes are arranged with radial distance from axis of the shaft. One of the rollers is supported in a bearing support whose radial distance is changeable from the axis of the shaft by an adjustment knob (11). A rotational torque limiting device is arranged between the knob and the support, where radial forces of the roller are limited to a maximum value by the limiting device.

IPC 8 full level

B08B 9/045 (2006.01)

CPC (source: EP)

B08B 9/045 (2013.01)

Citation (search report)

- [AD] US 2002083538 A1 20020704 - SILVERMAN LEE H [US], et al
- [A] GB 2153039 A 19850814 - LAWRENCE IRWIN F
- [A] US 5031263 A 19910716 - BABB LARRY F [US], et al

Cited by

CN109226119A; US11603654B2; USD830806S; US11905698B2; US11285521B2; US11712721B2; US10519646B2; US11021859B2; US11821188B2; US10626593B2; US11512460B2; US11965325B2

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)

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DE 102010013252 B4 20170706; ES 2492515 T3 20140909

DOCDB simple family (application)

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