

Title (en)

Suction head, sucker and method for storing a suction hose of a sucker

Title (de)

Saugerkopf, Sauger und Verfahren zum Aufbewahren eines Saugschlauchs eines Saugers

Title (fr)

Tête aspirante, aspirateur et procédé de rangement d'un tuyau d'aspirateur

Publication

EP 2559366 B1 20211006 (DE)

Application

EP 12180356 A 20120814

Priority

DE 102011052817 A 20110818

Abstract (en)

[origin: EP2559366A2] The head (24) has a holding element (48) arranged at a reinforcing region (44) of a side wall (26), and a suction hose (22) downwardly supportable by the holding element against falling. The holding element is designed or arranged at or in a proximity of a lower edge (42) of the head such that the hose is coilable in multiple windings around the side wall. A fixation device (38) is arranged at the reinforcing region for fixing the head at a suction device container (12). A securing element (68) is detachably fixed on the holding element, and designed as a clamping element such as rubber band. Independent claims are also included for the following: (1) a suction device (2) a method for retaining a suction hose of a suction device.

IPC 8 full level

A47L 9/00 (2006.01)

CPC (source: EP)

A47L 9/0036 (2013.01)

Citation (opposition)

Opponent : Nilfisk A/S

- US 2233167 A 19410225 - OSMUND HOLM-HANSEN
- US 2008115312 A1 20080522 - DIPASQUALE KATHY E [US], et al
- DE 19846092 A1 19991223 - DUEPRO AG ROMANSHORN [CH]
- GB 2341539 A 20000322 - BEARD MICHAEL ANDREW [GB]
- CN 102014719 A 20110413 - KAERCHER GMBH & CO KG ALFRED
- US 7172456 B1 20070206 - NAGY JEFFERY [US]
- DE 1068328 B

Opponent : Nilfisk A/S,

- CN 102113852 A 20110706 - TEKFIRST ELECTRICAL EQUIPMENT SUZHOU CO LTD
- DE 20318711 U1 20040318 - WANG WEN CHANG [TW]
- WO 2009077753 A1 20090625 - VAX LTD [GB], et al
- US 2731103 A 19560117 - ORTEGA PAULINE A
- GB 2426921 B 20070613 - MILWAUKEE ELECTRIC TOOL CORP [US]

Cited by

CN106999991A; WO2016091333A1

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 2559366 A2 20130220; EP 2559366 A3 20170111; EP 2559366 B1 20211006; DE 102011052817 A1 20130221; DK 2559366 T3 20211101

DOCDB simple family (application)

EP 12180356 A 20120814; DE 102011052817 A 20110818; DK 12180356 T 20120814