

Title (en)

SURFACE CLEANING APPARATUS WITH STEAM DELIVERY

Title (de)

OBERFLÄCHENREINIGUNGSVORRICHTUNG MIT DAMPFZUFUHR

Title (fr)

APPAREIL DE NETTOYAGE DE SURFACE AVEC DISTRIBUTION DE VAPEUR

Publication

**EP 4205622 A1 20230705 (EN)**

Application

**EP 22216645 A 20221223**

Priority

US 202163294890 P 20211230

Abstract (en)

The present disclosure provides a surface cleaning apparatus (10) that includes steam delivery. The apparatus includes a hand-carried body adapted to be hand carried by a user, the hand-carried body having a main housing (12), a supply tank (18), and a heater (26). A flexible hose (32) is mounted to the hand-carried body and a hand-held cleaning tool (22) mounted to an end of the hose. The tool has a liquid distributor to deliver liquid cleaning fluid and a steam distributor to deliver steam. Various features for controlling the operation of electrical component of the extraction cleaner are disclosed.

IPC 8 full level

**A47L 11/34** (2006.01); **A47L 11/40** (2006.01)

CPC (source: CN EP US)

**A47L 11/34** (2013.01 - CN EP US); **A47L 11/40** (2013.01 - CN); **A47L 11/4011** (2013.01 - US); **A47L 11/4013** (2013.01 - US); **A47L 11/4016** (2013.01 - CN); **A47L 11/408** (2013.01 - CN); **A47L 11/4083** (2013.01 - EP US); **A47L 11/4086** (2013.01 - EP US); **A47L 11/4088** (2013.01 - CN EP); **A47L 11/4094** (2013.01 - US)

Citation (applicant)

- US 7073226 B1 20060711 - LENKIEWICZ KENNETH M [US], et al
- US 9615703 B2 20170411 - MOYHER JR GEORGE [US], et al

Citation (search report)

- [IA] US 6647204 B1 20031111 - HUTCHINSON HAROLD D [US]
- [A] US 2005022333 A1 20050203 - MCDOWELL DAVID E [US], et al
- [A] DE 19522893 A1 19960208 - VETRELLA SPA [IT]
- [AD] US 7073226 B1 20060711 - LENKIEWICZ KENNETH M [US], et al
- [AD] US 9615703 B2 20170411 - MOYHER JR GEORGE [US], et al

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4205622 A1 20230705**; AU 2022287607 A1 20230720; CA 3185702 A1 20230630; CN 116369800 A 20230704; US 2023210333 A1 20230706

DOCDB simple family (application)

**EP 22216645 A 20221223**; AU 2022287607 A 20221214; CA 3185702 A 20221223; CN 202211708377 A 20221228; US 202218080945 A 20221214