

Title (en)
VACUUM CLEANER WITH SMALL AREA EXTRACTION

Title (de)
STAUBSAUGER MIT KLEINFLÄCHIGER ABSAUGUNG

Title (fr)
ASPIRATEUR AVEC EXTRACTION DE PETITE SURFACE

Publication
EP 3866661 A4 20220119 (EN)

Application
EP 19887915 A 20191119

Priority
• US 201862769298 P 20181119
• US 2019062094 W 20191119

Abstract (en)
[origin: WO2020106657A1] A vacuum cleaner includes a vacuum collection system for sucking up debris from a surface to be cleaned, a fluid delivery system for delivering a cleaning fluid to the surface to be cleaned, and a recovery system for removing spent cleaning fluid and debris from the surface to be cleaned. The fluid delivery and recovery systems can be particularly configured for small area extraction, such as in treating spots and stains on a carpet.

IPC 8 full level
A47L 11/40 (2006.01); **A47L 9/30** (2006.01); **A47L 11/30** (2006.01); **A47L 11/34** (2006.01)

CPC (source: EP KR US)
A47L 7/0009 (2013.01 - US); **A47L 7/0014** (2013.01 - US); **A47L 7/0023** (2013.01 - US); **A47L 7/0042** (2013.01 - US);
A47L 9/30 (2013.01 - KR US); **A47L 11/30** (2013.01 - KR); **A47L 11/34** (2013.01 - EP); **A47L 11/4008** (2013.01 - KR);
A47L 11/4011 (2013.01 - EP); **A47L 11/4013** (2013.01 - EP); **A47L 11/4016** (2013.01 - EP KR); **A47L 11/4019** (2013.01 - EP);
A47L 11/4041 (2013.01 - EP); **A47L 11/4044** (2013.01 - KR); **A47L 11/4075** (2013.01 - EP); **A47L 11/4083** (2013.01 - EP KR);
A47L 11/4088 (2013.01 - EP KR); **A47L 11/4094** (2013.01 - EP KR); **A47L 7/0004** (2013.01 - US)

Citation (search report)
• [XA] US 2017071434 A1 20170316 - NGUYEN TOM MINH [US], et al
• [A] US 2015020346 A1 20150122 - VAIL KEVIN [US], et al
• See references of WO 2020106657A1

Cited by
CN114376483A

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)
WO 2020106657 A1 20200528; AU 2019385389 A1 20210624; AU 2019385389 A2 20210708; BR 112021009567 A2 20210817;
CA 3120353 A1 20200528; CN 113056224 A 20210629; EP 3866661 A1 20210825; EP 3866661 A4 20220119; JP 2022509616 A 20220121;
KR 20210080496 A 20210630; US 2021330149 A1 20211028

DOCDB simple family (application)
US 2019062094 W 20191119; AU 2019385389 A 20191119; BR 112021009567 A 20191119; CA 3120353 A 20191119;
CN 201980076040 A 20191119; EP 19887915 A 20191119; JP 2021527124 A 20191119; KR 20217015525 A 20191119;
US 201917288254 A 20191119