

Title (en)

IDENTIFYING A CATEGORY OF FLOORING

Title (de)

IDENTIFIZIERUNG EINER KATEGORIE VON FUSSBÖDEN

Title (fr)

IDENTIFICATION D'UNE CATÉGORIE DE REVÊTEMENT DE SOL

Publication

EP 4378362 A1 20240605 (EN)

Application

EP 22211190 A 20221202

Priority

EP 22211190 A 20221202

Abstract (en)

A method and system for determining on which of a plurality of categories of flooring (130), each having a different hardness, a nozzle (111) of a vacuum cleaner (110) is positioned. Data representative of a torque load of a motor that rotates a brush in the nozzle is obtained and processed to generate a trimmed estimator of a parameter that measures variation in the data. A determination that the nozzle is positioned on the softest category of flooring is made in response to the trimmed estimator breaching a predetermined threshold.

IPC 8 full level

A47L 9/04 (2006.01); **A47L 9/28** (2006.01)

CPC (source: EP)

A47L 9/0466 (2013.01); **A47L 9/2826** (2013.01); **A47L 9/2831** (2013.01); **A47L 9/2847** (2013.01)

Citation (search report)

- [A] EP 4059402 A1 20220921 - TALENTONE HONG KONG LTD [HK]
- [A] WO 2016096046 A1 20160623 - ELECTROLUX AB [SE]
- [A] EP 2457486 A2 20120530 - SAMSUNG ELECTRONICS CO LTD [KR]

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)

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DOCDB simple family (application)

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