

Title (en)

AGITATOR FOR A SURFACE TREATMENT APPARATUS AND A SURFACE TREATMENT APPARATUS HAVING THE SAME

Title (de)

RÜHRER FÜR EINE OBERFLÄCHENBEHANDLUNGSVORRICHTUNG UND OBERFLÄCHENBEHANDLUNGSVORRICHTUNG DAMIT

Title (fr)

AGITATEUR POUR UN APPAREIL DE TRAITEMENT DE SURFACE ET APPAREIL DE TRAITEMENT DE SURFACE PRÉSENTANT CE DERNIER

Publication

EP 4208071 A4 20240501 (EN)

Appication

EP 21865202 A 20210903

Priority

- US 202063074719 P 20200904
- US 202063077386 P 20200911
- US 2021049085 W 20210903

Abstract (en)

[origin: US2022071459A1] A surface cleaning head includes a housing having a front side and back side, a brush roll rotatably mounted to the housing within a suction conduit and having at least a portion proximate the opening of the suction conduit, a leading roller mounted to the housing in front of the brush roll, and a drive mechanism operatively coupled to the brush roll and the leading roller for driving the brush roll and the leading roller at same time. The brush roll includes an agitator body and a first bristle/flap arrangement comprising a first deformable flap extending from the agitator body and a first bristle strip and/or row of tufts extending from the agitator body and disposed adjacent to the first deformable flap. The first deformable flap is disposed at an aggressive angle and the first bristle strip and/or row of tufts is arranged at a passive angle.

IPC 8 full level

A47L 9/04 (2006.01); **A47L 9/06** (2006.01)

CPC (source: EP US)

A46B 13/006 (2013.01 - EP US); **A46B 13/02** (2013.01 - EP US); **A47L 9/0411** (2013.01 - EP US); **A47L 9/0477** (2013.01 - EP US); **A47L 9/0613** (2013.01 - EP); **A46B 2200/302** (2013.01 - EP); **A46B 2200/3033** (2013.01 - US); **A47L 7/0066** (2013.01 - US); **A47L 9/0613** (2013.01 - US); **A47L 9/0666** (2013.01 - US)

Citation (search report)

- [XAI] US 2019298123 A1 20191003 - CONRAD WAYNE ERNEST [CA], et al
- [A] WO 2019139846 A1 20190718 - BISSELL HOMECARE INC [US]
- [A] GB 516291 A 19391229 - HARRY LEYLAND, et al
- [A] US 2020275812 A1 20200903 - BURBANK ERIC [US], et al
- See also references of WO 2022051635A1

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)

WO 2022051635 A1 20220310; AU 2022335986 A1 20240321; CN 116322451 A 20230623; CN 216704230 U 20220610; EP 4208071 A1 20230712; EP 4208071 A4 20240501; WO 2023029700 A1 20230309; WO 2023029703 A1 20230309

DOCDB simple family (application)

US 2021049085 W 20210903; AU 2022335986 A 20220628; CN 202122141762 U 20210906; CN 202180054706 A 20210903; CN 2022101881 W 20220628; CN 2022101930 W 20220628; EP 21865202 A 20210903