Title (en)
    ROBOT VACUUM CHARGING STATION

Title (de)
    VAKUUM-LADESTATION FÜR ROBOTER

Title (fr)
    STATION DE CHARGE SOUS VIDE DE ROBOT

Publication
    EP 4085809 A4 20240124 (EN)

Application
    EP 20909240 A 20201215

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Abstract (en)
    [origin: EP4085809A1] The present invention relates to a charging apparatus for a robot cleaner including a charging apparatus body including a housing that accommodates a power module therein, and a bottom plate that is coupled to a bottom surface of the housing and on which a charging terminal is disposed, and a docking plate that is selectively mounted on the bottom plate of the charging apparatus body and docks the robot cleaner on an upper portion, wherein the docking plate includes an engaging protrusion that is disposed in a front portion, at least a portion of which is inserted into the charging apparatus body, and a hook that is disposed at a rear of the engaging protrusion, at least a portion of which is caught on the charging apparatus body. It is an invention related to a charging apparatus for a robot cleaner in which the docking plate is easily attached to and detached from the charging apparatus body.

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CPC (source: EP)
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Citation (search report)
- [A] US 2017150862 A1 20170601 - MACHIDA YUKIO [JP], et al
- [A] US 2016075021 A1 20160317 - COHEN DAVID A [US], et al
- [A] US 2019059680 A1 20190228 - FOX LEVI [US], et al
- See references of WO 2021137477A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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