

Title (en)

A RIM IN A WHEEL ASSEMBLY FOR MOUNTING A TIRE

Title (de)

FELGE IN EINER RADANORDNUNG ZUR MONTAGE EINES REIFENS

Title (fr)

JANTE DANS UN ENSEMBLE ROUE POUR MONTER UN PNEU

Publication

EP 4214074 A1 20230726 (EN)

Application

EP 21759278 A 20210809

Priority

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- EP 2021072188 W 20210809

Abstract (en)

[origin: WO2022058093A1] The wheel assembly (10) comprises a hub motor unit (12) having at least two magnets (14). The wheel assembly (10) further comprises a shaft (16) passing through the hub motor unit (12). The rim (11) is mounted above the hub motor unit (12). The rim (11) is made of a first component (18) and a second component (20), wherein the first component (18) has integrated supporting elements (22). With the above-disclosed rim (11), the entry of the foreign materials like water/dirt particles is prevented as the rim (11) seals the hub motor unit (12). The new design of the rim (11) does not require a separate cover to close the hub motor unit (12), thereby the screws used to fasten the cover is not needed during assembly of motor unit (12). The rotor/rotating part being precast to rim (11) eliminates a welding process required between the parts.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2022058093A1

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