

Title (en)
BEARING ARRANGEMENT OF AN ELECTRIC AXLE MODULE

Title (de)
LAGERANORDNUNG EINES E-ACHSEN-MODULS

Title (fr)
SYSTÈME DE PALIER D'UN MODULE D'ESSIEU ÉLECTRIQUE

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Application
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Abstract (en)
[origin: WO2022238041A1] The invention relates to a bearing arrangement (22) of an electric axle module (10) comprising an electric machine (12) and a transmission (14) having a transmission input shaft (24) that is mounted at multiple points. The bearing arrangement (22) in the transmission (22) is designed as a first x-shaped arrangement (74) of a cover-mounted bearing (30) and a housing-mounted bearing (40). The transmission input shaft (24) has functional diameters (66, 68, 70, 72) that essentially increase from a bearing seat (56) of the cover-mounted bearing (30) in the direction of the center of the transmission input shaft (24). The invention further relates to an electric axle module (10) comprising a bearing arrangement (22) for use in an electrically driven vehicle.

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