

Title (en)
ELECTRICAL MACHINE

Title (de)
ELEKTRISCHE MASCHINE

Title (fr)
MACHINE ÉLECTRIQUE

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Application
EP 22718055 A 20220408

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Abstract (en)
[origin: WO2022214143A1] The invention relates to an electrical machine (1) comprising a rotor (2) which is mounted rotatably relative to a stator (3), wherein the rotor (3) has a rotor shaft (30) with at least one rotor body (31) mounted on the rotor shaft (30) for rotation and displacement therewith, wherein the stator (2) has a stator body (21) with a first stator winding (41), wherein the first stator winding (41) is arranged within a first hydraulic space (51), within which the first stator winding (41) can be contacted at least in sections by a hydraulic fluid (5), wherein at least one electrical conductor (11) of the first stator winding (41) emerges in the axial direction from the first stator body (21) and reaches through a partition (12), wherein a leadthrough element (13) is arranged in the partition (12), with the at least one electrical conductor (11) reaching through the leadthrough element in such a manner that a hydraulic barrier (14) between the hydraulic fluid (5) on the side of the partition (12) facing the stator body (21) and the hydraulic fluid (5) on the side of the partition (12) facing away from the stator body (21) is formed.

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