

Title (en)

ELECTRIC MACHINE WITH LOW MAGNETIC SLOT LEAKAGE

Title (de)

ELEKTRISCHE MASCHINE MIT GERINGER MAGNETISCHER NUTSTREUUNG

Title (fr)

MACHINE ÉLECTRIQUE À FAIBLES FUITES MAGNÉTIQUES AU NIVEAU DE RAINURES

Publication

**EP 3180836 A1 20170621 (DE)**

Application

**EP 15775108 A 20150911**

Priority

- EP 14185608 A 20140919
- EP 2015070817 W 20150911

Abstract (en)

[origin: CA2961689A1] The invention relates to an active part (S) for an electric machine (E). The active part (S) can be designed as a stator (S) or a rotor (10) and has at least two slots (14) for arranging a respective electric coil winding (16) of an electric coil (W) and at least one connecting piece (22) arranged between adjacent slots (14) for conducting a magnetic flux (30) through the coil. The electric machine (E) is to have a high efficiency. For this purpose, the connecting piece (22) has a material (36) for conducting the magnetic flux (30), said material having a magnetic anisotropy at least in some regions with a light magnetization axis (38) and a hard magnetization axis (40). The light magnetization axis (38) is aligned parallel or at least at an angle of less than 25° to a coil axis (M) of the coil (W), which surrounds the connecting piece (22).

IPC 8 full level

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CPC (source: EP US)

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