

Title (en)
ELECTRIC MACHINE

Title (de)
ELEKTRISCHE MASCHINE

Title (fr)
MACHINE ÉLECTRIQUE

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Application
EP 08774162 A 20080620

Priority
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Abstract (en)
[origin: WO2009003855A1] The invention relates to an electric machine comprising a stator (16) and a rotor (20), differently polarized excitation poles (24, 25), especially claw poles, that are adjacent on the periphery of the rotor (20) facing the stator (16), pole gaps (63) being defined between the excitation poles (24, 25). At least one permanent magnet (70) is arranged in at least one pole gap (63) and counteracts a leakage flux between its adjacent excitation poles (24, 25) when in operation. The permanent magnet (70) is retained by a retaining element (80). The permanent magnet (70), in at least some sections in the radial direction thereof, has a tapering contour in the longitudinal section and the retaining element (80) acts upon the permanent magnet (70) in the tapering contour in a form-fit manner.

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