

Title (en)
ELECTRIC MACHINE WITH FLUX SWITCHING WITH SIMPLE EXCITATION

Title (de)
ELEKTRISCHE MASCHINE MIT KOMMUTIERUNG DES MAGNETFLUSSES MIT EINFACHER ANREGUNG

Title (fr)
MACHINE ELECTRIQUE A COMMUTATION DE FLUX A SIMPLE EXCITATION

Publication
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Application
EP 16729235 A 20160608

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• FR 1555264 A 20150609
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Abstract (en)
[origin: WO2016198422A1] The proposed invention is an electric machine with flux switching comprising:- a movable element (20), comprising a plurality of flux switching teeth, and - a stator (10), comprising a plurality of teeth, excitation coils (15) and armature coils, characterized in that the stator is formed of a succession of elementary cells each comprising: - three teeth, comprising a central tooth (120) and two lateral teeth (121), delimiting therebetween two central notches (140), an excitation coil being housed in the central notches and wound around the central tooth, and - two lateral half-notches (141) on either side of the lateral teeth, each half-notch housing at least in part an armature coil, in such a way that two successive elementary cells share a common lateral notch.

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Citation (search report)
See references of WO 2016198422A1

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