

Title (en)
TRANSVERSAL FLUX MACHINE WITH HALBACH ARRAYS

Title (de)
TRANSVERSALFLUSSMASCHINE MIT HALBACH-ARRAYS

Title (fr)
MACHINE À FLUX TRANSVERSAL À ENSEMBLES HALBACH

Publication
EP 2792051 A1 20141022 (DE)

Application
EP 12798253 A 20121128

Priority
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• EP 2012073790 W 20121128
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Abstract (en)
[origin: EP2605367A1] The machine has an active part i.e. stator, comprising magnetic connection elements, and another active part i.e. rotor (1), moved along a predefined movement direction (2) relative to the former active part. The latter active part magnetically interacts with the former active part, and equipped with a magnet device, where the magnet device has Halbach arrays (6-10). The Halbach arrays are arranged at a distance from each other in the movement direction, and cause magnetic flux perpendicular to the movement direction, where cooling medium flows through the latter active part.

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CPC (source: EP US)
H02K 1/14 (2013.01 - EP); **H02K 1/2783** (2022.01 - EP US); **H02K 26/00** (2013.01 - EP); **H02K 41/00** (2013.01 - EP);
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Citation (search report)
See references of WO 2013087412A1

Citation (examination)
DE 102010015441 A1 20111020 - FACHHOCHSCHULE GELSENKIRCHEN [DE], et al

Cited by
CN108494122A

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