

Title (en)
VERNIER MACHINE WITH INSERTED MAGNETS

Title (de)
VERNIER-MASCHINE MIT EINGEFÜGTEN MAGNETEN

Title (fr)
MACHINE VERNIER A AIMANTS INSÉRÉS

Publication
EP 2433349 A1 20120328 (FR)

Application
EP 10728776 A 20100518

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• FR 0953282 A 20090518

Abstract (en)
[origin: WO2010133796A1] The present invention relates to an electrodynamic Vernier machine with magnets, including a stator and a rotor, wherein: the stator includes teeth separated by notches opening into the air gap, said teeth defining a periodic pattern having a substantially constant pitch P_s ; the rotor includes pads having an average width L_p and separated by notches opening into the air gap, said pads defining a periodic pattern having a substantially constant pitch P_r , P_r being different from P_s ; said rotor includes magnets arranged in said notches, all the magnets having the same magnetic pole on the air gap side, characterized in that the average width L_p of the rotor pads is lower than 0.5 times the pitch P_r of said pads, said average width L_p being calculated over the height of the pad.

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Citation (search report)
See references of WO 2010133796A1

Cited by
PL422805A1; PL423608A1; PL235588B1; PL422728A1; PL233249B1

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