

Title (en)

POSITION SENSOR, IN PARTICULAR FOR DETERMINING THE POSITION OF A ROTOR OF A PLANAR DIRECT DRIVE

Title (de)

POSITIONSGEBER INSBESONDERE ZUR BESTIMMUNG DER POSITION EINES LÄUFERS EINES PLANAREN DIREKTANTRIEBS

Title (fr)

CAPTEUR DE POSITION PERMETTANT EN PARTICULIER DE DÉTERMINER LA POSITION D'UN ROTOR D'UN MÉCANISME D'ENTRAÎNEMENT DIRECT PLANAIRE

Publication

**EP 2699874 A2 20140226 (DE)**

Application

**EP 12715040 A 20120405**

Priority

- DE 102011002254 A 20110422
- EP 2012056322 W 20120405

Abstract (en)

[origin: WO2012143250A2] The invention relates to a position sensor in particular for determining the position of a rotor of a planar direct drive, comprising a pan- or box-shaped, softmagnetic base body (01), at least one permanent magnet (02) arranged within the base body (01), wherein the north pole-south pole axis of the permanent magnet (02) extends perpendicularly to an open base surface of the base body (01), poles (03) having a tooth structure (04) and being arranged on the permanent magnet (02) in two rows parallel to the measurement direction, wherein the tooth flanks of the tooth structure (04) run parallel to a plane extending through the north pole-south pole axis of the permanent magnet (02), and further comprising sensors (05) arranged between the poles (03) for determining the field strength and/or the magnetic flux.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2012143250A2

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DOCDB simple family (publication)

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