

Title (en)

METHOD FOR DETERMINING AN ORTHOGONALITY ERROR BETWEEN TWO SENSOR SIGNALS

Title (de)

VERFAHREN ZUM ERMITTELN EINES ORTHOGONALITÄTSFEHLERS ZWISCHEN ZWEI SENSORSIGNALEN

Title (fr)

PROCÉDÉ PERMETTANT DE DÉTERMINER UNE ERREUR D'ORTHOGONALITÉ ENTRE DEUX SIGNAUX DE DÉTECTION

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Application

EP 15750060 A 20150813

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Abstract (en)

[origin: WO2016024001A1] The invention relates to a method for determining a corrected rotation angle (x_{t1}) of a raw rotation angle (x) recorded using an angle sensor which, on the basis of the raw rotation angle (x), outputs first and second raw rotation angle signals (s_r , c_r) which have a periodic profile and are in an orthogonal relationship with one another, wherein a deviation from the orthogonal relationship between the sensor signals can occur on account of the error (y), having the steps of: determining a correction value (y) by means of a determination unit for determining the correction value (y) and making the correction value (y) available to a correction unit, applying the correction value to at least one of the raw rotation angle signals (s_r , c_r) by means of the correction unit for determining at least one corrected rotation angle signal (s_{oc} , c_{oc}), and calculating the corrected rotation angle (x_{t1}) using at least one of the corrected rotation angle signals (s_{oc} , c_{oc}).

IPC 8 full level

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CPC (source: CN EP KR US)

G01D 5/244 (2013.01 - KR); **G01D 5/24476** (2013.01 - CN EP KR US)

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See references of WO 2016024001A1

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