

Title (en)
VERY HIGH-RESOLUTION POSITION SENSOR

Title (de)
HÖCHSTAUFLÖSENDER POSITIONSSENSOR

Title (fr)
CAPTEUR DE POSITION A TRES HAUTE RESOLUTION

Publication
EP 1570238 A1 20050907 (FR)

Application
EP 03813162 A 20031211

Priority
• FR 0303670 W 20031211
• FR 0215628 A 20021211

Abstract (en)
[origin: FR2848663A1] Position sensor has a circular magnetic track formed by a series of magnetic field generating elements distributed evenly in P pairs over 360degrees so that they have mechanical period, T, of $360\text{degrees}/P$. The track is detected by 2n detection cells which deliver corresponding phase shifted electronic signals that are connected to signal processing means. The signal processing means have means for extracting analogue differential signals and means for extracting signal pulses with a spacing of $T/2n$.

IPC 1-7
G01D 5/245; **G01D 5/244**

IPC 8 full level
G01D 5/244 (2006.01)

CPC (source: EP)
G01D 5/24404 (2013.01)

Citation (search report)
See references of WO 2004055482A1

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