

Title (en)
METHOD FOR CONTACTLESS, LINEAR POSITION MEASUREMENT

Title (de)
VERFAHREN ZUR KONTAKTLOSEN, LINEAREN POSITIONSMESSUNG

Title (fr)
PROCEDE DE MESURE DE POSITION LINEAIRE, SANS CONTACT

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Abstract (en)
[origin: WO02095334A1] The invention relates to a method for contactless, linear measurement, wherein a sensor line is provided with at least two magnetic field sensors (2a-c) which give off signals which respectively have a maximum value (6), a minimum value (7) and a half value (8) lying therebetween. The magnetic field sensors (2a-c) are distanced from each other in such a way that a magnetic field sensor (2a) gives off a maximum value (6) if the immediately adjacent sensor emits a signal having a half value (8). The signals of two directly adjacent magnetic field sensors are divided for evaluation and the arc tangent is formed from the result thereof.

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