Title (en)

MEASURING TRANSDUCER BASED ON THE POSITIONING OF AT LEAST ONE MECHANICAL REVOLVING ELEMENT

Publication

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Application

EP 86104447 A 19860401

Priority

IT 2019585 A 19850402

Abstract (en)

[origin: EP0205779A2] A transducer is described, advantageously appliable to at least a mechanical revolving element (11a...11h), which makes up the first transducer of the quantity to be measured corresponding to a number and/or fraction of rotations; an example of such type of first transducer can be that of a meter having a predetermined number of revolving elements (11a...11h) inter-mated for measuring the quantity of fluid or gas delivered. According to the invention, to each revolving element (11a...11h) forming the first transducer of the meter, a second transducing element is associated (14a...14h), mated to the rotation of the first transducer, the second transducer being a disc (14) with openings (25) positioned according to a predetermined binary code. The second transducer is positioned so as to act as a dividing "nonius" to give a highly accurate measurement. The signals detected by the two transducers are forwarded to a suitable signal control device (18). The mating between the two transducers is also suitably predisposed.

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G01D 21/00; G06M 1/27

IPC 8 full level

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CPC (source: EP)

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Cited by

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