

Title (en)
MAGNETIC INDUCTIVE FLOW METER AND MEASUREMENT TUBE THEREFORE

Title (de)
MAGNETISCH-INDUKTIVES DURCHFLUSSMESSGERÄT UND MESSRÖHRE DAFÜR

Title (fr)
DÉBITMÈTRE MAGNÉTO-INDUCTIF ET TUBE DE MESURE S'Y RAPPORTANT

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Abstract (en)
[origin: WO2019072345A1] A measuring tube (MT) for a magnetic inductive flow meter (MFM) is disclosed, the measuring tube (MT) comprising: - a flow tube (FT) for carrying a flow of a conductive liquid to be measured, the flow tube (FT) having a flow tube wall (WLL) with an inner wall surface (IWS) and an outer wall surface (OWS), and at least two metallic electrode elements (EE1, EE2), each electrode element (EE1, EE2) being arranged in said wall (WLL), each electrode element (EE1, EE2) comprising an electrode section (ES) having an inner electrode surface (IES) with an inner electrode surface area extending along said inner wall surface (IWS), and a feed through section (FTS) having an outer cross section (OCS) with an outer cross section area at the outer wall surface (OWS), the inner electrode surface area being greater than the outer cross section area wherein the flow tube (FT) is a polymeric flow tube. Also, a magnetic inductive flow meter comprising a measuring tube and a method of manufacturing a measuring tube is disclosed.

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