

Title (en)
METHOD FOR DETERMINING A POSITION OF A PISTON IN A PISTON PRESSURE ACCUMULATOR BY RESISTANCE MEASUREMENT AND SUITABLY DESIGNED PISTON PRESSURE ACCUMULATOR

Title (de)
VERFAHREN ZUM BESTIMMEN EINER POSITION EINES KOLBENS IN EINEM KOLBENDRUCKSPEICHER DURCH WIDERSTANDSMESSUNG SOWIE GEEIGNET AUSGEBILDETER KOLBENDRUCKSPEICHER

Title (fr)
PROCÉDÉ POUR DÉTERMINER UNE POSITION D'UN PISTON DANS UN ACCUMULATEUR DE PRESSION À PISTON PAR MESURE DE RÉSISTANCE AINSI QU'ACCUMULATEUR DE PRESSION À PISTON CONÇU DE MANIÈRE APPROPRIÉE

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Application
EP 12816300 A 20121227

Priority
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• EP 2012076932 W 20121227

Abstract (en)
[origin: WO2013098311A2] The invention relates to a method for determining a position of a piston (5) in a piston pressure accumulator (1) and a correspondingly designed piston pressure accumulator (1). A housing (3) accommodates a displaceable piston (5). An electrode arrangement (15) having a plurality of 4-point measurement electrode pairs (17) is provided on the electrically conductive housing (3) and is designed to determine a position of the piston (5) inside the housing (3) by measuring a distribution of an electrical resistance or potential between inner electrodes (21) when a current is applied to outer electrodes (19), depending on a position along the housing (3). The position of the piston determined from the measurement of the potential distribution can be used to determine or check a charge state of the piston pressure accumulator (1).

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Citation (search report)
See references of WO 2013098311A2

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