

Title (en)

METHOD FOR DETERMINING A POSITION OF A PISTON IN A PISTON PRESSURE ACCUMULATOR BY MEANS OF INDUCTIVE SENSORS AND SUITABLY DESIGNED PISTON PRESSURE ACCUMULATOR

Title (de)

VERFAHREN ZUM BESTIMMEN EINER POSITION EINES KOLBENS IN EINEM KOLBENDRUCKSPEICHER MITTELS INDUKTIVSENSOREN SOWIE GEEIGNET AUSGEBILDETER KOLBENDRUCKSPEICHER

Title (fr)

PROCÉDÉ PERMETTANT DE DÉTERMINER LA POSITION D'UN PISTON DANS UN ACCUMULATEUR DE PRESSION À PISTON AU MOYEN DE CAPTEURS INDUCTIFS ET ACCUMULATEUR DE PRESSION À PISTON CONÇU DE MANIÈRE ADAPTÉE

Publication

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Application

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Abstract (en)

[origin: WO2013098322A2] The invention relates to a piston accumulator (1) and a method for determining a position of a piston (5) that can be moved inside a housing (3) of the piston accumulator (1). One or more inductive sensors (15) are arranged on an exterior surface (21) of the housing (3) and configured to detect a movement of the piston (5) inside the housing (3) caused by electromagnetic induction. In this way, a determination of the current position of the piston (5), which is technically simple to realise and contact-free, can be implemented and used, for example, to monitor a charge state of the piston pressure accumulator (1).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2013098322A2

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