

Title (en)
Cyclical process in a liquid piston converter

Title (de)
Kreisprozess in einem Flüssigkolbenwandler

Title (fr)
Cycle dans un convertisseur à piston liquide

Publication
EP 2273118 A3 20121003 (DE)

Application
EP 10164581 A 20100601

Priority
DE 102009026635 A 20090602

Abstract (en)
[origin: EP2273118A2] The cyclic process involves alternating lifting and lowering of a liquid piston in a work space (15). The liquid piston transducer switches on lowering the liquid piston, if a flow control element (35), which is permeable for the gas and impermeable for the liquid reaches liquid in the work space with the increase of the liquid piston and rise pressure in the liquid before the flow control element. An independent claim is also included for a liquid piston transducer.

IPC 8 full level
F04B 39/00 (2006.01); **F02G 1/043** (2006.01); **F04B 45/033** (2006.01); **F04F 1/02** (2006.01); **F25B 31/00** (2006.01)

CPC (source: EP)
F04B 39/0011 (2013.01); **F04B 45/0336** (2013.01); **F04F 1/02** (2013.01)

Citation (search report)

- [A] US 5073090 A 19911217 - CASSIDY JOSEPH C [US]
- [A] US 1929350 A 19331003 - CHRISTENSEN NIELS C
- [AD] US 2772543 A 19561204 - FRANK BERRY
- [A] DE 1963606 A1 19710624 - HORN ARMATUREN
- [A] US 2006213502 A1 20060928 - BAKER DAVID M [US]
- [A] DE 19846481 A1 20000504 - SCHNEIDER CHRISTIAN [DE]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

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BA ME RS

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