

Title (en)

PRESSURE WAVE GENERATOR AND METHOD FOR OPERATING A PRESSURE WAVE GENERATOR

Title (de)

DRUCKWELLENGENERATOR UND VERFAHREN ZUM BETREIBEN EINES DRUCKWELLENGENERATORS

Title (fr)

GÉNÉRATEUR D'ONDES DE PRESSION ET PROCÉDÉ DE FONCTIONNEMENT D'UN GÉNÉRATEUR D'ONDES DE PRESSION

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Application

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Abstract (en)

[origin: WO2021078754A1] The invention relates to a method for operating a pressure wave generator (1) with a pressure chamber (2), said pressure wave generator (1) comprising • a closure element (9) which in a closed position closes the pressure chamber (2) relative to an outlet (14) and in an open position enables an outflow of the working medium from the pressure chamber (2) into the outlet (15); • an actuator by means of which the closure element (9) can be brought from the closed position into the open position and in particular can also be brought from the open position into the closed position; said method comprising the following steps: • filling the pressure chamber (2) with a gaseous working medium having a pressure of above one hundred bars; • moving the actuator and thereby moving the closure element (9) in an opening direction for opening the pressure chamber (2) relative to an outlet (15), and discharging the pressurised working medium from the pressure chamber (2) through the outlet (15) within a discharge time period of less than fifteen milliseconds.

IPC 8 full level

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