

Title (en)

GAS-DYNAMIC PRESSURE WAVE MACHINE

Title (de)

GASDYNAMISCHE DRUCKWELLENMASCHINE

Title (fr)

COMPRESSEUR À ONDES DE PRESSION GAZODYNAMIQUE

Publication

**EP 2150706 B1 20101020 (DE)**

Application

**EP 08748769 A 20080423**

Priority

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Abstract (en)

[origin: WO2008135012A1] The invention relates to a gas-dynamic pressure wave machine for charging an internal combustion engine comprising a cell rotor (1) rotatably supported in a housing and located between an inlet for charge air and an exhaust line for combustion gases, wherein the external circumference of the cell rotor (1) increases from the exhaust gas side (3) to the charge air side (4). The height of a cell of the cell rotor (1) in the radial direction remains constant in the longitudinal direction of the cell rotor (1), while the cross-sectional area of the individual cells increases from the exhaust gas side to the charge air side.

IPC 8 full level

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IPC 8 main group level

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