

Title (en)

Water hammer driven air compressor

Title (de)

Wasserschlag betriebener Luftverdichter

Title (fr)

Compresseur à air à commande par coup de bélier hydraulique

Publication

EP 2161450 B1 20111019 (EN)

Application

EP 09478002 A 20090902

Priority

LT 2008066 A 20080903

Abstract (en)

[origin: EP2161450A1] The present invention is designed for air compressors driven by a periodically induced water hammer. With the aim to expand the range of application of said water hammer driven air compressor and maximize utilization of kinetic water energy by converting it into pressurized air energy, said compressor has two water intake pipes (1) and (2) with impact valves (3) connected to water reservoir (5) and two air reservoirs (6) and (7) with water intake (8) and outlet (9) valves and air intake valves (10) connected to an air intake pipe (12). The water outlet valves (9) are controlled by the air pressure in the reservoirs (6) and (7).

IPC 8 full level

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CPC (source: EP US)

F04B 23/10 (2013.01 - EP US); **F04B 47/04** (2013.01 - EP); **F04F 7/02** (2013.01 - EP US)

Cited by

CN103032387A; RU2606847C1; CN104121139A; RU2610356C1; CN107143536A; LT6734B

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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

DOCDB simple family (publication)

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