

Title (en)

Compressor discharge pulsation dampener

Title (de)

Pulsationsdämpfer am Auslass eines Verdichters

Title (fr)

Atténuateur de pulsations au refoulement d'un compresseur

Publication

EP 1657445 A3 20070523 (EN)

Application

EP 05254751 A 20050729

Priority

US 97061304 A 20041021

Abstract (en)

[origin: EP1657445A2] A pulsation dampener comprising a first resonator tube having a first tube inlet in communication with a compressor outlet. The first resonator tube has an outlet located within a first resonator chamber. The first resonator tube has a length l_1 that is equal to $\gg 1/4$ wherein $\gg 1$ is the acoustic component wavelength passing through the first resonator tube and the first chamber has a length l_2 that is within 20% of the length l_1 .

IPC 8 full level

F01N 1/02 (2006.01); **F04C 29/06** (2006.01)

CPC (source: EP US)

F01N 1/02 (2013.01 - EP US); **F01N 1/089** (2013.01 - EP US); **F04B 53/004** (2013.01 - EP US); **F04C 29/061** (2013.01 - EP US); **F01N 2470/20** (2013.01 - EP US); **F01N 2490/04** (2013.01 - EP US)

Citation (search report)

- [X] US 5208429 A 19930504 - FIELD MICHAEL G [US]
- [A] US 5101931 A 19920407 - BLASS JAROSLAV [US], et al
- [A] US 5723827 A 19980303 - SASAKI AKIRA [JP], et al

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CN103696968A; CN102037245A; BE1018044A3; EP2199613A3; US9512834B2; WO2014051937A1; WO2009151895A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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DOCDB simple family (application)

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