

Title (en)

AERODYNAMIC CHOPPER FOR PULSATING A GAS FLOW

Title (de)

AERODYNAMISCHER ZERHACKER ZUM PULSIEREN EINER GASSTRÖMUNG

Title (fr)

HACHEUR AERODYNAMIQUE POUR LA PULSATION D'ÉCOULEMENT DE GAZ

Publication

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Application

**EP 10752083 A 20100722**

Priority

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Abstract (en)

[origin: WO2011018571A1] The present invention relates to a supersonic pulse flow device. Said invention is intended to provide a technical solution in a number of fields where the injection of a flow must be pulsed as required by the process or in order to limit the power consumption and size of the pumping means. In the event of flows obtained through a de Laval nozzle (13, 18), it is possible to generate a uniform supersonic jet having a very low temperature (currently up to 20 K) that is stable over hydrodynamic periods of time between 150 and 1000 microseconds. The aim of said invention is to resolve problems related to the use of aerodynamic tools in research and development and in industrial processes.

IPC 8 full level

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