

Title (en)
High performance pressure waves generator

Title (de)
Hochleistungs-Druckwellenquelle

Title (fr)
Générateur d'ondes de pression à haute performance

Publication
EP 0864811 B1 20030416 (DE)

Application
EP 98101586 A 19980130

Priority
DE 19709918 A 19970311

Abstract (en)
[origin: EP0864811A2] The wave source has a combustion chamber and feeder. The duct forming the combustion chamber (3) has a wider cross-section at both ends. The constituents of the fluid mixture are introduced via a feeder (4). The narrow part of the duct has a ignition (5). The discharge-gas is discharged near the wide duct-end which is closed at the end by a membrane (14) forming an acoustic transmission element. Several swirl-generators (6-9) are distributed over the defined length of the duct.

IPC 1-7
F23C 11/04

IPC 8 full level
A61B 17/225 (2006.01); **F23C 15/00** (2006.01)

CPC (source: EP US)
F23C 15/00 (2013.01 - EP US)

Cited by
CN105750286A; US7956329B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 0864811 A2 19980916; EP 0864811 A3 19990714; EP 0864811 B1 20030416; DE 19709918 A1 19980924; DE 19709918 C2 20010201; DE 59807921 D1 20030522; US 6408614 B1 20020625

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EP 98101586 A 19980130; DE 19709918 A 19970311; DE 59807921 T 19980130; US 3795298 A 19980310