

Title (en)
Double-walled structure and method of producing the same

Title (de)
Doppelwandige Struktur und Verfahren zu seiner Herstellung

Title (fr)
Structure à double paroi et procédé pour sa fabrication

Publication
EP 1128032 A2 20010829 (EN)

Application
EP 01850037 A 20010221

Priority
SE 0000559 A 20000222

Abstract (en)
A double-walled-structure, such as a silencer for use in a ventilation duct system, comprises a perforated inner tube (10), an outer casing (30) which is arranged at a distance from the inner tube (10) and encloses the same, and a tubular, sound-absorbing element (20) which is arranged between the inner tube (10) and the casing (30). The tubular element (20) has an increasing density radially outwards from the centre axis (C) of the inner tube (10). The silencer (1) is produced by the sound-absorbing element (20) being arranged on the inner tube (10), and the inner tube (10) with the sound-absorbing element arranged thereon being enclosed in the surrounding outer casing (30). <IMAGE>

IPC 1-7
F01N 7/18; **F01N 1/24**

IPC 8 full level
F01N 1/24 (2006.01); **F01N 13/18** (2010.01); **F24F 13/02** (2006.01); **F24F 13/24** (2006.01)

CPC (source: EP US)
F01N 1/24 (2013.01 - EP US); **F01N 13/18** (2013.01 - EP US); **F24F 13/0245** (2013.01 - EP US); **F24F 13/0263** (2013.01 - EP US); **F24F 13/0281** (2013.01 - EP US); **F24F 13/24** (2013.01 - EP US); **F24F 2013/242** (2013.01 - EP US)

Cited by
EP1411218A3; RU191178U1; EP3182028A1; WO2004036108A3

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1128032 A2 20010829; SE 0000559 D0 20000222; SE 0000559 L 20010823; SE 515765 C2 20011008; US 2001015302 A1 20010823

DOCDB simple family (application)
EP 01850037 A 20010221; SE 0000559 A 20000222; US 78997901 A 20010221