

Title (en)
SILENCER FOR A COMPRESSED-AIR SYSTEM

Publication
EP 0127550 B1 19900228 (FR)

Application
EP 84401109 A 19840530

Priority
FR 8309011 A 19830531

Abstract (en)
[origin: EP0127550A2] 1. A silencer for a compressed air installation of the type including baffles (7, 8, 28) prolongating the path of travel of the flux of air with at least one portion of the chamber of the chamber defined by a perforated wall (5) maintaining a filling (6) of absorbing material, the baffles (7, 28) being formed with orifices (13; 27, 27', 33) separating the global flux of air into elementary streams of reduced section, the orifices (13; 27, 27', 33) and the baffles (7, 8, 28) being placed such that the streams collide against the wall of at least some of the adjacent baffles (7, 28) and/or against each other and are brought in contact with said perforated wall (5) maintaining the filling of absorbing material, characterized in that it includes means (12; 27, 27') providing for a return of said streams of air along path of travel portions which are substantially parallel but in an opposite direction with respect to the general circulation direction, the circulation in contact with the perforated wall (5) being effected according to a total path of travel which is close to the length of the silencer.

IPC 1-7
F01N 1/10; F01N 3/02

IPC 8 full level
F01N 1/08 (2006.01); **F01N 1/10** (2006.01); **F01N 3/00** (2006.01); **F01N 3/02** (2006.01); **F01N 3/021** (2006.01); **F01N 3/033** (2006.01); **F01N 3/037** (2006.01)

CPC (source: EP)
F04B 39/0061 (2013.01)

Cited by
EP1383989A4; FR2785360A1; RU202358U1; FR2609108A1; EP0316637A1; CN110526409A; US6604604B1; US7216739B2; US6926117B2; WO2005116409A1; EP1191195B1; KR101232472B1

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