

Title (en)

Sound-damping device for air vents or for breather pipes in rooms of buildings

Title (de)

Tondämpfvorrichtung für Entlüftungen oder für Entlüftungsrohre in Räumen von Gebäuden

Title (fr)

Dispositif d'amortissement du son pour aérations ou pour conduits de prises d'air dans des salles de bâtiments

Publication

EP 2177842 A1 20100421 (EN)

Application

EP 09155271 A 20090316

Priority

IT BO20080074 U 20081016

Abstract (en)

Sound-damping device for air vents or for breather pipes in rooms of buildings, characterized in that it comprises: - a frame (1, 6) designed to be fixed onto the end opening of a ventilation or breather pipe (T) in a manner suitably centred relative to the latter; - a covering element or cap (8) designed to be arranged on the said fixing frame (1, 6) and having a width suitably greater than the diameter of the opening of the said pipe (T) and situated at a distance from the latter so as to allow a sufficient amount of air to pass through; - at least one sound-absorbing means (7) which is arranged between said fixing frame (1, 6) and said cap (8) and which, in combination with these components, reduces and eliminates the incident and reflected sound waves which otherwise would reach the room of the building provided with said ventilation or breather pipe (T).

IPC 8 full level

F24F 13/08 (2006.01); **F24F 13/24** (2006.01)

CPC (source: EP)

F24F 13/084 (2013.01); **F24F 13/24** (2013.01); **F24F 2013/242** (2013.01)

Citation (applicant)

FR 2311996 A1 19761217 - BARBARIN JOSEPH [FR]

Citation (search report)

- [X] FR 2311996 A1 19761217 - BARBARIN JOSEPH [FR]
- [X] EP 1628084 A1 20060222 - TOSHO ENGINEERING CO LTD [JP]
- [X] JP H11237090 A 19990831 - SANBEKKU KK
- [X] JP S58194431 U 19831224

Cited by

CN107202414A; US2018127977A1; US10508445B2; CN109990424A; US2017227251A1; US11835253B2; EP3839368A4; JPWO2020036040A1; US10443887B2; WO2015122831A1; WO2015122832A1

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