

Title (en)  
Silencer device for air exchanger fans

Title (de)  
Schalldämpfervorrichtung für Luftwechslergebläse

Title (fr)  
Dispositif silencieux pour ventilateurs d'échange d'air

Publication  
**EP 2455619 A1 20120523 (EN)**

Application  
**EP 11186061 A 20111021**

Priority  
IT MI20102143 A 20101119

Abstract (en)  
A silencer device, particularly for air-exchanger fans and the like, characterized in that said silencer device comprises a cylindrical tubular casing with an inner side cylindrical wall to which a sound damping or absorbing material is applied, at the top thereof said device further comprising a top grid and at a bottom thereof bottom coupling means for connecting said device to a fan outlet.

IPC 8 full level  
**F04D 29/66** (2006.01); **F01N 1/24** (2006.01); **F16L 55/033** (2006.01); **F24F 13/24** (2006.01)

CPC (source: EP)  
**F04D 29/664** (2013.01); **F24F 7/007** (2013.01); **F24F 13/24** (2013.01); **F24F 2013/242** (2013.01)

Citation (search report)

- [X] US 2009269219 A1 20091029 - LANGBEIN JOHANNES [DE], et al
- [I] GB 984817 A 19650303 - COLCHESTER WOODS
- [I] US 5821473 A 19981013 - TAKAHASHI KAZUNORI [JP]
- [I] US 6089348 A 20000718 - BOKOR KEN [CA]
- [A] GB 1514584 A 19780614 - SASAKURA ENG CO LTD
- [A] WO 02066800 A1 20020829 - KLEVERS ITALIANA S R L [IT], et al
- [A] WO 2006097035 A1 20060921 - CHUNG MEI IND LTD [CN], et al
- [A] EP 1120571 A1 20010801 - DAIKIN IND LTD [JP]

Cited by  
CN110966263A; EP2693135A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2455619 A1 20120523**; **EP 2455619 B1 20150527**; ES 2544889 T3 20150904; HU E026934 T2 20160728; IT 1403249 B1 20131017; IT MI20102143 A1 20120520; PL 2455619 T3 20151030

DOCDB simple family (application)  
**EP 11186061 A 20111021**; ES 11186061 T 20111021; HU E11186061 A 20111021; IT MI20102143 A 20101119; PL 11186061 T 20111021