

Title (en)  
Sound barriers

Title (de)  
Lärmschutzwände

Title (fr)  
Barrières antibruit

Publication  
**EP 2055838 A1 20090506 (EN)**

Application  
**EP 07119652 A 20071030**

Priority  
EP 07119652 A 20071030

Abstract (en)  
A sound barrier (1) arranged to improve the air quality comprises a wall element (10), an air filter element (11) and an air guiding element (12). The air guiding element (12) is arranged to define, together with the wall element (10), an opening (15) which tapers towards the air filter element (11) so as to concentrate wind-propelled air at the air filter element, and force the wind-propelled air through the air filter element. To this end, the air guiding element (12) is preferably curved. The sound barrier is particularly useful alongside major roads and highways, but may also be used at airports.

IPC 8 full level  
**E01F 8/00** (2006.01)

CPC (source: EP)  
**E01F 8/0011** (2013.01); **E01F 8/0035** (2013.01); **E01F 8/0047** (2013.01)

Citation (search report)  
• [DXY] EP 1632607 A1 20060308 - MAKE CHARLOTTE [AT], et al  
• [X] JP 2002061314 A 20020228 - NAT INST OF ADV IND & TECHNOL  
• [Y] EP 1340854 A1 20030903 - SUZUKI MASAO [JP]  
• [A] WO 2006115403 A1 20061102 - UNIV DELFT TECH [NL], et al

Cited by  
FR3077306A1; WO2012105860A1; WO2019145659A3

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 2055838 A1 20090506**; WO 2009058008 A1 20090507

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**EP 07119652 A 20071030**; NL 2008050678 W 20081030