

Title (en)
Noise suppression systems

Title (de)
Rauschunterdrückungssystem

Title (fr)
Systèmes de suppression de bruit

Publication
EP 2858066 A2 20150408 (EN)

Application
EP 14187406 A 20141002

Priority
US 201314045657 A 20131003

Abstract (en)
An apparatus or system includes a component that generates or transfers noise having a frequency within a noise frequency range. The component may include a boundary. The apparatus or system may be an engine in some examples. The engine may additionally include a micro-perforated sheet positioned a distance from the boundary. The micro-perforated sheet may include a plurality of micro-perforated holes, and may be configured to absorb sound within an absorption frequency range based on parameters of the micro-perforated sheet. The parameters may include the distance from the boundary and dimensions of the micro-perforated holes, and may be set such that the absorption frequency range overlaps the noise frequency range.

IPC 8 full level
G10K 11/172 (2006.01); **E04B 1/74** (2006.01); **F02B 77/13** (2006.01); **F04D 29/42** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP)
F02B 61/00 (2013.01); **F02B 75/007** (2013.01); **F02B 77/13** (2013.01); **F04D 29/4213** (2013.01); **F04D 29/424** (2013.01); **F04D 29/665** (2013.01); **G10K 11/172** (2013.01); **E03C 1/26** (2013.01); **E03C 2201/60** (2013.01); **E03D 2201/20** (2013.01); **E04B 1/8409** (2013.01); **E04B 1/86** (2013.01); **E04B 2001/8495** (2013.01)

Citation (examination)
JP 2004229561 A 20040819 - KUBOTA KK

Cited by
CN114138077A; CN114127459A

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 2858066 A2 20150408; EP 2858066 A3 20150415

DOCDB simple family (application)
EP 14187406 A 20141002