

Title (en)
A NOISE BARRIER

Title (de)
LÄRMSCHUTZWAND

Title (fr)
BARRIÈRE SONORE

Publication
EP 4269694 A1 20231101 (EN)

Application
EP 22169778 A 20220425

Priority
EP 22169778 A 20220425

Abstract (en)
The present inventive concept relates to a noise barrier, comprising a front wall, a rear wall, and two opposite and spaced apart side walls which extend from the front wall to the rear wall. A compartment is enclosed by at least the front wall, the rear wall and the side walls. A channel is located spaced apart from the enclosed compartment, wherein the channel has an inlet for enabling a part of an approaching sound wave to enter and propagate through the channel, and an outlet through which said part of the sound wave is enabled to leave the channel so as to interfere with the original part of the sound wave that propagates above the noise barrier. The inlet is located in the front wall and faces a noise source area. The outlet is located at a vertically higher level than the inlet and rearward of the front wall.

IPC 8 full level
E01F 8/00 (2006.01)

CPC (source: EP)
E01F 8/0017 (2013.01)

Citation (applicant)
WO 2020115004 A1 20200611 - WAVEBREAKER AB [SE]

Citation (search report)

- [AD] WO 2020115004 A1 20200611 - WAVEBREAKER AB [SE]
- [A] KR 20120028630 A 20120323 - KRRI [KR]
- [A] KR 200436715 Y1 20070927
- [A] FR 2724675 A1 19960322 - TOLARTOIS [FR]

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4269694 A1 20231101; WO 2023208649 A1 20231102

DOCDB simple family (application)
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