

Title (en)
DEVICE FOR REDUCING SOUND

Title (de)
VORRICHTUNG ZUR SCHALLMINDERUNG

Title (fr)
DISPOSITIF DE RÉDUCTION DE SON

Publication
EP 4116488 A1 20230111 (EN)

Application
EP 22182850 A 20220704

Priority
NL 2028636 A 20210706

Abstract (en)
The invention relates to a device for reducing sound, particularly sound of traffic travelling over a road or track, which device comprises a body with a main surface, wherein one or more grooves are arranged in the main surface, wherein each groove extends in a first direction and is bounded by a first groove edge and a second groove edge, wherein the two groove edges extend parallel to the first direction and lie in the main surface of the body wherein each groove comprises a first groove wall hanging downward from the first groove edge, which first groove wall forms an angle of between 60° and 100°, preferably 90°, with the main surface. wherein each groove further comprises a second groove wall rising from the lower side of the first groove wall to the second groove edge, wherein the second groove wall is flat or concave as seen in the first direction and wherein the ratio of the distance between the first groove edge and the second groove edge of a groove to the depth of the relevant groove lies between 1.0 and 3.0.

IPC 8 full level
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CPC (source: EP)
E01C 1/002 (2013.01); **E01F 8/0005** (2013.01)

Citation (applicant)
EP 3019662 A1 20160518 - 4SILENCE B V [NL]

Citation (search report)
• [XAI] DE 102014105309 A1 20141016 - LITHONPLUS GMBH & CO KG [DE]
• [AD] EP 3019662 A1 20160518 - 4SILENCE B V [NL]
• [A] WO 2011049454 A2 20110428 - UNIV TWENTE [NL], et al
• [A] DE 20003001 U1 20000420 - GROETZ GEORG [DE]
• [A] EP 1502998 A2 20050202 - MEA MEISINGER AG [DE]

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