

Title (en)

SOUND-ABSORBING ROOF CONSTRUCTION OF A HALL HAVING REDUCED REVERBERATION TIME

Title (de)

SCHALLABSORBIERENDE DACHKONSTRUKTION EINER HALLE MIT REDUZIERTER NACHHALLZEIT

Title (fr)

STRUCTURE DE TOIT INSONORISANTE D'UN ATELIER PRÉSENTANT UNE DURÉE DE RÉVERBÉRATION RÉDUITE

Publication

EP 3707318 A1 20200916 (DE)

Application

EP 18807883 A 20181108

Priority

- DE 102017126506 A 20171111
- EP 2018080632 W 20181108

Abstract (en)

[origin: WO2019092115A1] The invention relates to a sound-absorbing roof construction of a hall (01) having walls (02), a plurality of roof trusses (03), which lie on the walls (02) at least at the ends of said roof trusses, and a sound-reflecting roof covering (06) supported by the roof trusses (03). Absorber strips (04) composed of sound absorber elements are applied to the side surfaces of a plurality of the roof trusses (03). Between adjacent roof trusses (03) having the absorber strips (04), a sound-reflecting portion of the roof covering (06) having a width that is at least twice the average height of the roof trusses (03) extends. The invention further relates to a sound absorber assembly having sound absorber elements, which are arranged in a hall (01) having walls (02) and having a roof construction that closes off the hall in the upward direction, the roof construction comprising a plurality of roof trusses (03) and a roof covering (06) supported by said roof trusses. According to the invention, absorber strips (04) composed of sound absorber elements strung together are applied to the two side surfaces of a plurality of the roof trusses (03). The invention finally relates to a hall (01) having reduced reverberation time, which hall uses the sound absorber assembly.

IPC 8 full level

E04B 9/00 (2006.01); **E04B 1/74** (2006.01); **E04B 1/82** (2006.01); **E04B 1/86** (2006.01); **E04B 1/94** (2006.01); **E04B 7/04** (2006.01); **E04C 3/29** (2006.01)

CPC (source: EP RU US)

E04B 1/86 (2013.01 - EP US); **E04B 7/022** (2013.01 - EP); **E04B 7/04** (2013.01 - RU); **E04B 9/001** (2013.01 - EP); **E04C 3/29** (2013.01 - EP US); **G10K 11/162** (2013.01 - US); **E04B 1/99** (2013.01 - EP); **E04B 9/001** (2013.01 - US)

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)

WO 2019092115 A1 20190516; AU 2018363745 A1 20200604; AU 2018363745 B2 20240502; CN 111615575 A 20200901; DE 102017126506 A1 20190516; EP 3707318 A1 20200916; EP 3707318 B1 20240717; EP 3707318 C0 20240717; JP 2021502502 A 20210128; RU 2020118742 A 20211213; RU 2020118742 A3 20220126; RU 2769015 C2 20220328; US 2020270860 A1 20200827

DOCDB simple family (application)

EP 2018080632 W 20181108; AU 2018363745 A 20181108; CN 201880072877 A 20181108; DE 102017126506 A 20171111; EP 18807883 A 20181108; JP 2020525987 A 20181108; RU 2020118742 A 20181108; US 201816762984 A 20181108