

Title (en)
SOUND ATTENUATION MATERIAL

Title (de)
SCHALLABSCHWÄCHENDES BAUMATERIAL

Title (fr)
MATÉRIAU SERVANT À L'INSONORISATION

Publication
EP 3309313 A1 20180418 (EN)

Application
EP 17187078 A 20080925

Priority

- US 7795108 A 20080321
- EP 08873511 A 20080925
- US 2008077757 W 20080925
- US 8194908 P 20080718
- US 8195308 P 20080718

Abstract (en)
A building material configured to enhance sound attenuation and reduction in dB across a walled partition, the building material comprising a facing membrane, a core matrix disposed about the facing membrane, the core matrix comprising a plurality of microparticles and a binder solution configured to support the microparticles, the building material comprising at least a substantially exposed face, wherein a side of the core matrix is at least partially exposed to increase sound attenuation by reducing reflections from sound waves impinging on the building material as compared to a control building material lacking an exposed face. Two building materials may be used in conjunction with one another about a building structure, such as a stud wall, to create and define a sound trap that functions to reduce sound transmission across the partition formed by the stud wall and building materials.

IPC 8 full level
E04B 1/86 (2006.01)

CPC (source: EP)
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Citation (search report)

- [X1] EP 0056267 A2 19820721 - SCHMITTMANN HANS BERND [DE], et al
- [X1] DE 19839973 A1 20000323 - FRAUNHOFER GES FORSCHUNG [DE]
- [I] US 5600930 A 19970211 - DRUCKER ERNEST R [CA]
- [X1] GB 2375358 A 20021113 - SOUND REDUCTION SYSTEMS LTD [GB]

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DOCDB simple family (publication)
WO 2009117019 A1 20090924; CA 2719087 A1 20090924; CN 102046895 A 20110504; CN 102046895 B 20120704; CN 102767245 A 20121107; CN 102767245 B 20141126; EP 2262959 A1 20101222; EP 2262959 A4 20140730; EP 2262959 B1 20170823; EP 3309313 A1 20180418; EP 3309313 B1 20240403; MX 2010010289 A 20101105; MX 358300 B 20180814

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