

Title (en)
SOUND ATTENUATION MATERIAL

Title (de)
SCHALLABSCHWÄCHENDES BAUMATERIAL

Title (fr)
MATÉRIAU SERVANT À L'INSONORISATION

Publication
EP 3309313 B1 20240403 (EN)

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

Abstract (en)
[origin: WO2009117019A1] 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.

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