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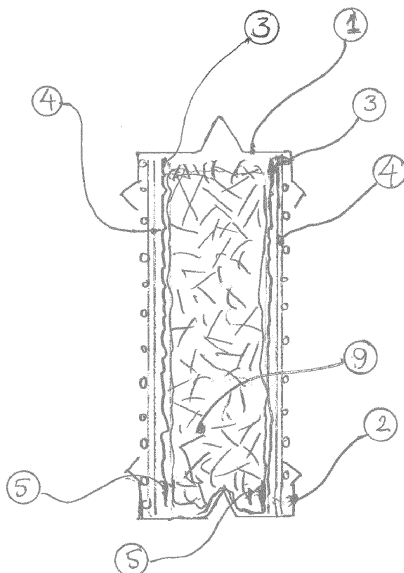
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(54) **GRANULE-FILLED ABSORBING SOUND BARRIER**

(57) Design of a sound barrier of the type comprising upright supports or pillars, which are anchored in the ground, wherein there are secured between said supports or pillars elongated primarily horizontally extending shield elements, consisting for example of thin-wall profiled metal sheets and a core of a sound-absorbing granule material or fiber material, characterized in that the granules used are based on recycled glass fiber. The glass fiber has previously been used in wind turbine

blades, sailboats, and other non-polluting components. The fiberglass granules which are used are mechanically crushed into pieces varying in length and thickness, and therefore the granules which are used are not homogeneous in size. Costs of stockpiling and further processing are avoided, so that the environmental aspects regarding used fiberglass components can be addressed by recycling of the granules into absorbing material.

Fig 1





EUROPEAN SEARCH REPORT

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EP 16 19 6321

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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A	* page 14, paragraphs 2,3 * * page 16, paragraph 4-5; figures 1,9,10 *	11	
A	WO 02/066542 A2 (SPERBER HENRY [US]) 29 August 2002 (2002-08-29) * page 5, lines 18-21 * * page 8, line 6 - page 9, line 10; figures 1,4 *	1-3,11	
A	EP 2 363 544 A1 (RECLINER BVBA [BE]) 7 September 2011 (2011-09-07) * paragraphs [0020], [0021], [0024], [0029]; claim 1; figures *	1,11	TECHNICAL FIELDS SEARCHED (IPC) E01F E04B
A	US 2010/224442 A1 (SANDERS MARK [US]) 9 September 2010 (2010-09-09) * paragraph [00190020]; figure 1 *	1,11	
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 19 April 2017	Examiner Stern, Claudio
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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