Active Noise Abatment



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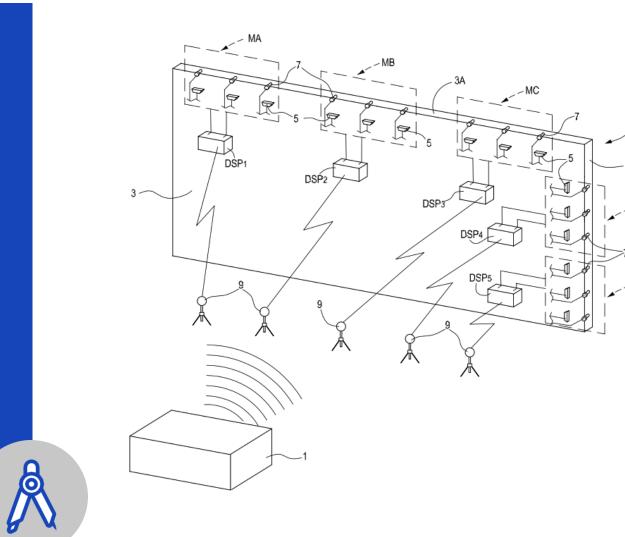
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Invention

The patented technology consists of a method and a coordinated system of elements for active noise abatement, that is, for the reduction of sound pollution in indoor and outdoor areas and environments. More particularly, the invention relates to some improvements to systems for the reduction of the noise generated by diffraction along the edges of passive noise barriers, using control sound sources, i.e. through loudspeakers or loudspeakers that generate waves of pressure in counter-phase with respect to the pressure waves of the noise to be suppressed or reduced.

This type of installation, therefore, allows the creation or recovery of environments in which noise pollution is a serious problem, favoring the improvement of the quality of life of the people concerned, as well as contributing to the creation of a work-related risk management system. through the containment of sound emissions in each environment.



Drawings & pictures

7A ⁽¹⁾	7A ⁽²⁾ 7A ⁽³⁾	7A ⁽⁴⁾ 7A ⁽⁵⁾	р 76 76 ⁽¹⁾	B ⁽²⁾ 7B ⁽³⁾ φ φ	(4) 7B ⁽⁵⁾ ∫ 5
5A ⁽¹⁾	5A ⁽³⁾	5A ⁽⁵⁾	5B ⁽¹⁾	5B ⁽³⁾	5B ⁽⁵⁾ 56
\	MA	/	\	МВ	/ \

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5B⁽¹⁾

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5A⁽²⁾

5A⁽¹⁾

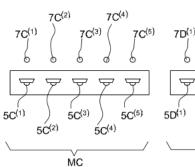
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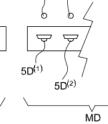
5A(4)

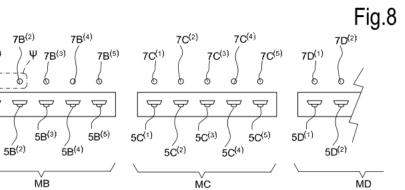
5A⁽⁵⁾

5A⁽³⁾

мА









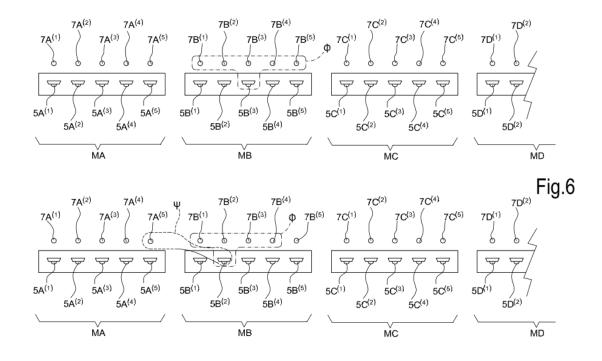
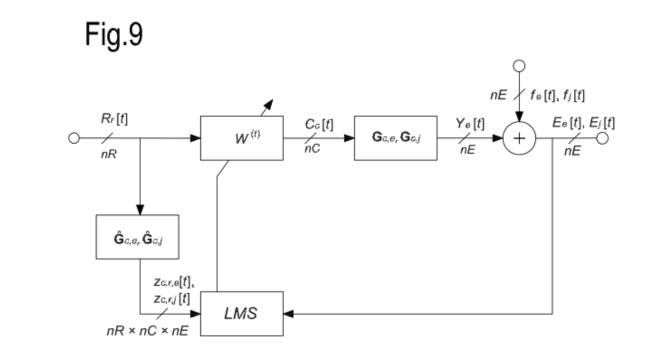


Fig.7

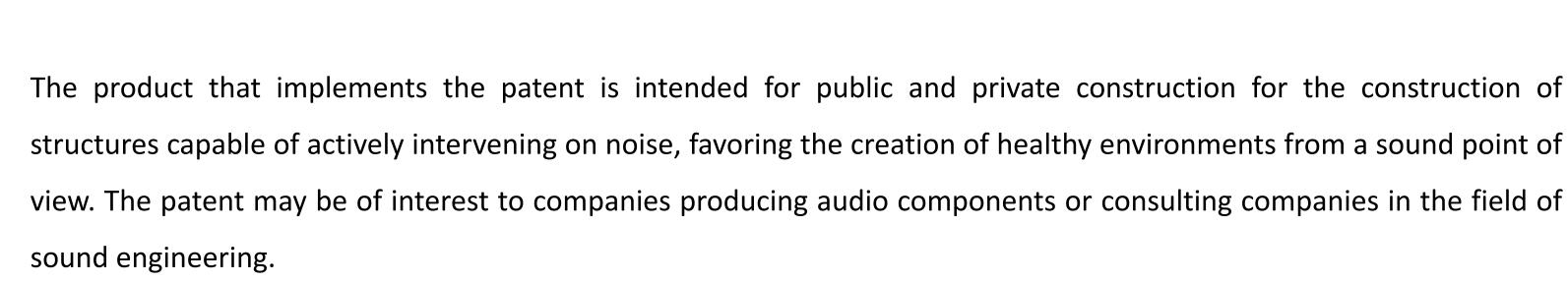
Fig.4

MD

MF



Industrial applications



The advantage of the patent is constituted by the fact that the technology can be used on existing products and structures.

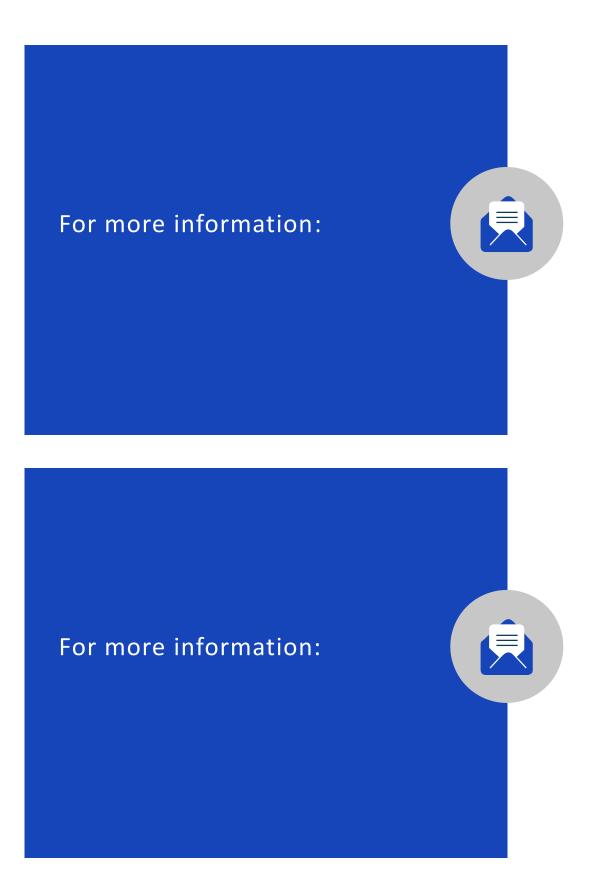
Possible developments



The patent is available for sale or exclusive and non-exclusive license. The licenses are available for the entire patent life.

The research group is available for new research activities in collaboration and on behalf of third parties, technical insights, scientific advice, also aimed at raising the TRL of technology.

The TRL of the invention is 4.





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