

Title (en)

Structural cell defined by air walls and architectural structure obtained with a plurality of said cells

Title (de)

Baukörper gebildet aus Luftschirmen und bauliche Anordnung aus mehreren derartigen Baukörpern

Title (fr)

Ensemble structurel défini par des écrans d'air et structure architecturale obtenue par plusieurs de ces ensembles

Publication

EP 0940526 A1 19990908 (EN)

Application

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Priority

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Abstract (en)

A new structural cell for creating architectural structures, formed by elongated hollow elements (2,3), having one or more slots (4), and connected with a air currents generator plant. The slots (4) emit towards the outside air jets and air sheets (4a, 4b), that extend according to substantially two-dimensional surfaces and define together a three-dimensional insulated space. The elongated elements preferably form a structure comprising upright elements (2a,2b,2c,2d) and horizontal elements (3) connected to one another. The cells allow heat insulation and soundproofing without the use of physical walls, through a not much expensive technology and easy to carry into effect, thus obtaining final structures that are light and which can be easily carried, "clothed" and/or disassembled. Through a cell or a plurality of them a structure can be defined that protects a portion of space defined by air walls that cover the inside of the cells by the cold, by the heat and also by the wind, allow the use of the structure during all the year.

IPC 1-7

E04H 1/00; **E04B 1/99**; **F24F 9/00**

IPC 8 full level

E04B 1/99 (2006.01); **E04H 1/00** (2006.01); **F24F 9/00** (2006.01)

CPC (source: EP)

E04B 1/99 (2013.01); **E04H 1/00** (2013.01); **F24F 9/00** (2013.01)

Citation (search report)

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