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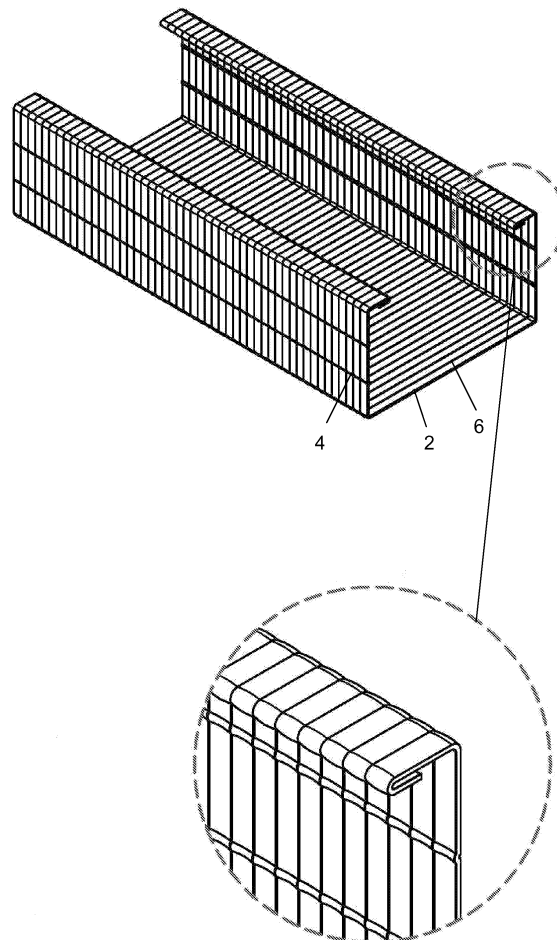
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(54) **Metal profile for forming support frames for plasterboard partitioning walls and false ceilings**

(57) A metal profile for forming support frames for plasterboard partitioning walls and false ceilings, char-

acterised by comprising a plurality of ribs (6) orientated in a direction not parallel to the profile longitudinal axis.

FIG. 1



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Description

[0001] The present invention relates to a profile for plasterboard walls.

[0002] Metal U, C and Ω profiles are known for supporting plasterboard to form corresponding walls or false ceilings in general.

[0003] To ensure high stability to the structure, these known profiles generally have a thickness of 0.5-0.6 mm.

[0004] An object of the invention is to provide a metal profile which, although presenting the same mechanical performance, has a smaller thickness than traditional profiles, resulting in material saving and hence easier handling.

[0005] Another object of the invention is to provide a profile of reduced cost.

[0006] These and further objects which will be apparent from the ensuing description are attained according to the invention by a metal profile for forming support frames for plasterboard partitioning walls and false ceilings as claimed in claim 1.

[0007] The present invention is further described with reference to the accompanying drawing showing a perspective view of the profile of the invention.

[0008] As can be seen from the drawing, the profile of the invention is formed preferably of zinc-plated steel and is of C, U, Z, Ω , or T shape, and comprises both on the web 2 and on the flanges a plurality of transverse micro-ribs 6 of about 0.3 mm in depth, obtained by pressing or rolling prior to the step of profiling the sheet metal strip.

[0009] The ribs provide the profile with greater resistance to mechanical stresses and hence greater robustness, enabling the profile to be formed of lesser thickness (0.3 mm).

[0010] Moreover, using a profile of lesser thickness means a lesser unit weight, hence not only easier handling but also a lesser unit cost.

[0011] The presence of the ribs also prevents mutual slippage between adjacent profiles during storage.

[0012] Finally, the surface discontinuity of the profile results in improved sound absorbency and hence improved acoustic isolation.

Claims

1. A metal profile for forming support frames for plasterboard partitioning walls and false ceilings, **characterised by** comprising a plurality of ribs (6) orientated in a direction not parallel to the profile longitudinal axis.

2. A metal profile as claimed in claim 1, **characterised in that** the ribs are mutually parallel.

3. A metal profile as claimed in claim 1, **characterised in that** the ribs are disposed transversely to the longitudinal axis of the profile.

4. A metal profile as claimed in claim 1, **characterised by** being C-shaped.

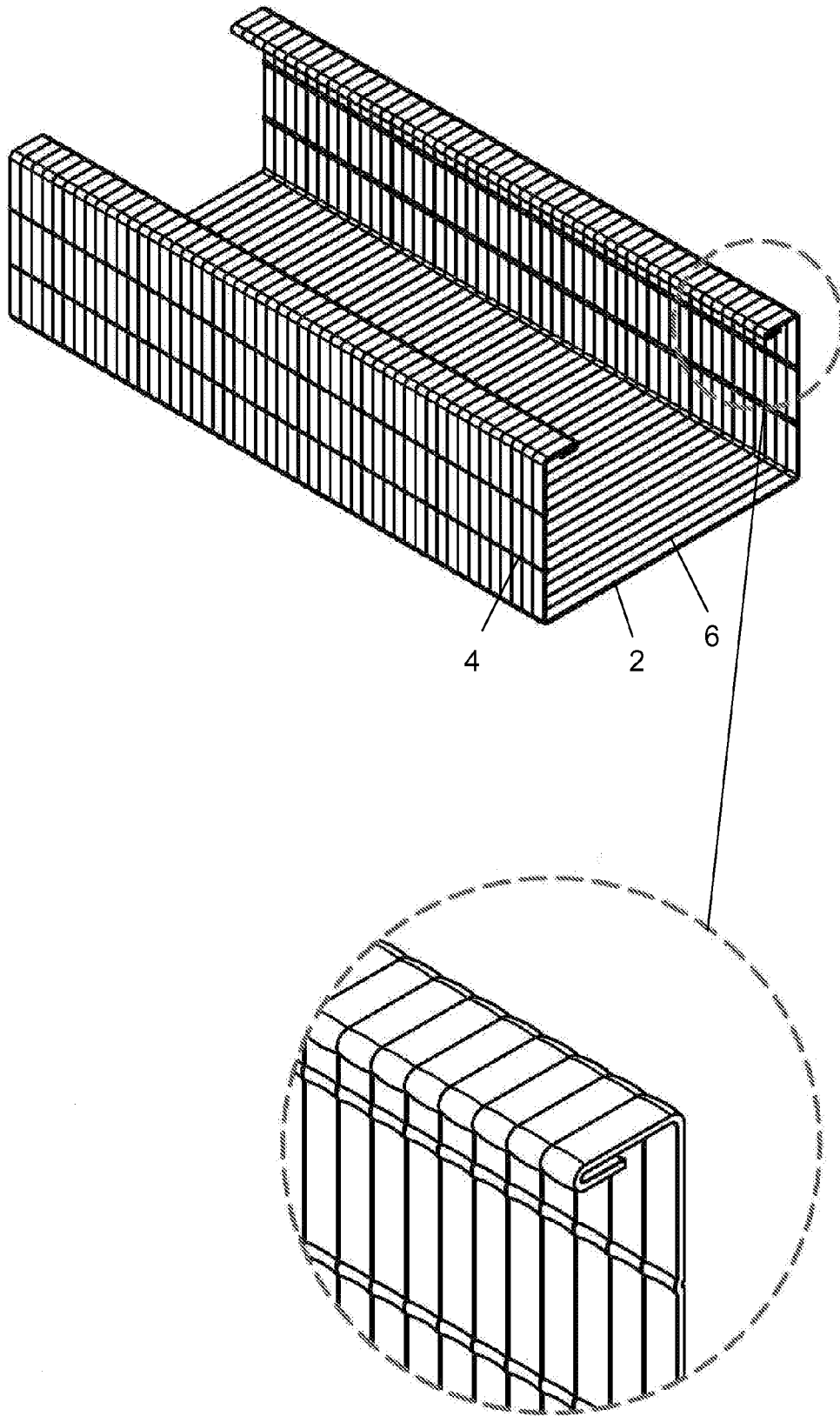
5. A metal profile as claimed in claim 1, **characterised by** being U-shaped.

6. A metal profile as claimed in claim 1, **characterised by** being Ω -shaped.

7. A metal profile as claimed in claim 1, **characterised by** being T-shaped.

8. A metal profile as claimed in claim 1, **characterised in that** the ribs have a depth not less than 0.3 mm.

FIG. 1





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Place of search		Date of completion of the search	Examiner
The Hague		23 May 2008	Righetti, Roberto
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone		T : theory or principle underlying the invention	
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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