

Title (en)  
WALL CONSTRUCTION SYSTEM COMPRISING DRYWALL CONSTRUCTION COMBINATION PROFILED SECTIONS, AND METHOD FOR CONSTRUCTING A WALL

Title (de)  
WANDBAUSYSTEM MIT TROCKENBAU-KOMBIPROFILIEN UND VERFAHREN ZUM WANDBAU

Title (fr)  
SYSTÈME DE CONSTRUCTION DE CLOISONS AVEC DES PROFILÉS COMBINÉS À CONSTRUCTION SÈCHE ET PROCÉDÉ DE CONSTRUCTION DE CLOISONS

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Abstract (en)  
[origin: WO2018072771A1] 1. The invention relates to a wall construction system comprising drywall construction combination profiled sections, and a method for constructing a wall. 2.1. Standard drywall construction profiled sections using sheet metal that is approximately 0.6 mm thick allow easy manual sheathing of stud walls with building panels, but lightweight sheet metal profiled sections of this type are not suitable for bearing static loads of a house. Thicker walled lightweight steel profiled sections greatly improve stability but require more costly assembly technologies needing specialists, which increases construction costs and therefore stops drywall-constructed housing from becoming more widespread. The new combination profiled sections provide for statically stable construction systems that can nevertheless be worked and sheathed simply and easily. 2.2. The present drywall construction combination profiled section (1) comprises two functional sections. A statically stable section which has splayed flanges (2), and a section comprising a planar thin-walled drywall construction contact surface, acting as a sheathing section (3), which is joined or moulded on. These sections are made with different sheet metal thicknesses in the drywall construction profiled element, or by form-fittingly joining individual lightweight steel profiled sections, or by specific profiling of the flange sections. 2.3. Such a house construction system allows modular assembly of statically stable walls, ceilings and roofs for buildings, using simple manual technology and with minimal costs. Additionally, the construction types are clearly demarcated. 3. Figure 1 depicts a wall cross-section with different drywall construction combination profiled sections.

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