

Title (en)  
FIRE RESISTANT STEEL STRUCTURE

Title (de)  
FEUERFESTE STAHLKONSTRUKTION

Title (fr)  
STRUCTURE D'ACIER RÉSISTANT AU FEU

Publication  
**EP 2427604 B1 20170222 (EN)**

Application  
**EP 10721733 A 20100504**

Priority  
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Abstract (en)  
[origin: WO2010128046A1] A fire resistant steel structure (10) comprises a steel beam (14) for receiving a vertical load and a support structure for supporting the horizontal beam (14) at two horizontally spaced locations. At least one fire-resistant tension member (30) has its ends (32, 32') anchored outside the steel beam (14) in the support structure. It is arranged relative to the steel beam (14) in such a way that when the steel beam (14) is overheated and yields under the vertical load in case of severe fire conditions, it rests on the at least one fire-resistant tension member (30) and is vertically supported by the latter.

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