

Title (en)  
Support structure

Title (de)  
Tragwerk

Title (fr)  
Structure porteuse

Publication  
**EP 0616090 B1 19990414 (DE)**

Application  
**EP 93102211 A 19930212**

Priority  
EP 93102211 A 19930212

Abstract (en)  
[origin: EP0616090A1] Buildings comprising steel support structures are very much at risk in the event of a fire. Under the action of the heat which arises, they quickly lose their load-bearing capacity and they collapse. In order to protect such support structures, refractory linings and the introduction, into the steel sections, of plastic hoses filled with thickened water are both known. Instead of this, it is proposed to shut off the hollow bodies of the support-structure elements (1, 2) in a liquid-tight and pressure-tight manner, to fill them with water in the liquid state and to provide them with vapour-outlet valves (25).

IPC 1-7  
**E04B 1/94**

IPC 8 full level  
**E04B 1/94** (2006.01)

CPC (source: EP)  
**E04B 1/94** (2013.01)

Cited by  
GB2318290A; RU2683449C1; WO2005081651A3

Designated contracting state (EPC)  
AT BE CH DE ES FR GB IT LI NL PT SE

DOCDB simple family (publication)  
**EP 0616090 A1 19940921; EP 0616090 B1 19990414**; AT E178965 T1 19990415; DE 59309515 D1 19990520

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