

Title (en)  
Fire-resistant element

Title (de)  
Feuerbeständiges Bauteil

Title (fr)  
Élément résistant au feu

Publication  
**EP 0824171 A1 19980218 (EN)**

Application  
**EP 97202500 A 19970812**

Priority  
NL 1003786 A 19960812

Abstract (en)  
Fire-resistant element, comprising a steel I-section or H-section (1) which is used in building structures. Unlike conventional solutions in which for improvement of the fire resistance such an element is clad with a casing or the like on all sides which are exposed to a possible fire, it is now proposed to provide only one side of the flange with a cladding (6,10). The cladding can comprise a coating (6) or sheet (10), and in the latter case preferably projects slightly beyond the surface of the horizontal flange. The element can be in the form of a beam or a column. In the former instance the fire-resistant cladding is situated on the underside of the bottom flange. <IMAGE>

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

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

CPC (source: EP)  
**E04B 1/943** (2013.01)

Citation (search report)  
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• [A] EP 0011358 A1 19800528 - TAC CONSTRUCTION MATERIALS LTD [GB]  
• [A] PATENT ABSTRACTS OF JAPAN vol. 96, no. 10 31 October 1996 (1996-10-31)  
• [A] PATENT ABSTRACTS OF JAPAN vol. 014, no. 280 (C - 0729) 18 June 1990 (1990-06-18)

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