

Title (en)  
FIRE PROTECTION SYSTEM FOR STRUCTURAL MEMBERS

Title (de)  
BRANDSCHUTZSYSTEM FÜR BAUTEILE

Title (fr)  
SYSTÈME DE PROTECTION CONTRE LES INCENDIES POUR DES ÉLÉMENTS STRUCTURAUX

Publication  
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Application  
**EP 22159036 A 20220225**

Priority  
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Abstract (en)  
This invention relates to coverings for structural members to provide passive fire protection. An assembly comprises an elongate structural member; a pre-cast casting disposed around the structural member comprising an elongate heat insulating tube and a support tube. The elongate heat insulating tube being made of a heat insulating material providing passive fire protection, and the heat insulating tube having a continuous inner circumferential surface and a continuous outer circumferential surface. The support tube being encapsulated within the heat insulating tube between the inner circumferential surface and the outer circumferential surface. A stabilising element is arranged to maintain a gap between the inner circumferential surface of the heat insulating tube and an outer surface of the structural member.

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Citation (search report)  
• [Y] GB 2429983 A 20070314 - INTERACT FIRE SOLUTIONS LTD [GB]  
• [Y] JP 2011064010 A 20110331 - GIKEN KANRI KK, et al  
• [A] FR 2333599 A1 19770701 - DAUSSAN HENRI [FR]  
• [A] US 2213603 A 19400903 - HOWARD YOUNG JAMES, et al  
• [XI] GB 2115341 A 19830907 - FOSECO TRADING AG

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