

Title (en)

COMPOSITE STRUCTURAL ELEMENT AND PROCESS FOR MAKING SAME.

Title (de)

BAUELEMENT AUS VERBUNDWERKSTOFF UND VERFAHREN ZU SEINER HERSTELLUNG.

Title (fr)

ELEMENT STRUCTUREL COMPOSITE ET PROCEDE DE PRODUCTION.

Publication

**EP 0589872 A4 19931216 (EN)**

Application

**EP 91907310 A 19910313**

Priority

- CA 2105983 A 19910313
- US 9101636 W 19910313

Abstract (en)

[origin: CA2105983A1] 2105983 9216347 PCTABS00016 An elongated structural element includes an external tubular casing (11) with the hollow interior space filled with a plastic binder (12) containing a plurality of elongated parallel continuous strands of fiber reinforcement material (13) extending lengthwise of the element. A method for preparing such an element is provided by filling a preformed tubular casing (11) with a plastic binder (12) in liquid form in which is dispersed the fiber reinforcement material (13) and allowing the plastic binder to solidify. The element may be initially shaped prior to solidification or reheated into another shape such as a helical coil or spring. An internal casing (29) can also be used where the fiber reinforcement strands (13) are between the external and internal casings (11) and (29).

IPC 1-7

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IPC 8 full level

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Citation (search report)

- [X] FR 2082872 A5 19711210 - PIGEON DANIEL
- [X] DE 2021347 A1 19701119 - NAT RES DEV
- [A] US 2852424 A 19580916 - REINHART FRANK W, et al
- See references of WO 9216347A1

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