

Title (en)

Fiber reinforced metal alloy and method for the manufacture thereof.

Title (de)

Faserverstärkte metallische Werkstoffe und Verfahren zu ihrer Herstellung.

Title (fr)

Matériau métallique renforcé par des fibres et procédé pour sa fabrication.

Publication

**EP 0150240 A1 19850807 (EN)**

Application

**EP 84100878 A 19840127**

Priority

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Abstract (en)

A fiber reinforced material comprising a metal matrix and a fibrous reinforcement, consisting of refractory fibers having a high tensile strength, is manufactured by the use of a centrifugal casting method. Structural elements, e.g. conveyor rolls for furnaces, can be made in accordance with this method. Fig. 1 shows a centrifugal casting mold (1) open at both ends and having end plates (2a) and (2b). An interwoven tube (4) of reinforcement fibers is positioned coaxially within (1), and supported by rings (3a) and (3b) at both ends. Ring-shaped spacers (5) avoid contact of tube (4) with the inner surface of the mold (1).

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Citation (search report)

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