

Title (en)

Process for securing insulating rods in attachment fittings and apparatus for the realization thereof.

Title (de)

Verfahren zur Befestigung von Isolierstangen in Aufhängungsarmaturen und Vorrichtung zu dessen Ausführung.

Title (fr)

Procédé d'assujettissement de tiges en matériau isolant dans des ferrures d'accrochage et dispositif pour sa réalisation.

Publication

**EP 0021902 A1 19810107 (FR)**

Application

**EP 80400780 A 19800602**

Priority

FR 7915432 A 19790615

Abstract (en)

[origin: US4281943A] A method and device for anchoring rods of high tensile strength insulating material in metal attachment fittings are disclosed. The end of the rod which is previously split and traversed by a hole is inserted axially into the attachment fitting through an open end thereof. A fastening member is inserted into a blind hole extending across an internal cavity in the attachment fitting in line with the hole in the rod for spreading the rod end, the split end being brought into engagement with large wall portions of the inwardly flaring internal cavity of the attachment fitting. A relatively high vacuum is applied to the internal cavity. The internal cavity is filled with a high strength, nonshrinking resin having a coefficient of expansion identical to that of the metal fitting through a channel in the fastening member. After polymerization the resin hardens on the rod to form a rigid block fast with the attachment fitting which prevents the rod from being pulled out of the attachment fitting. The protruding end of the fastening member is then severed level with the exterior of the attachment fitting.

Abstract (fr)

Le dispositif comprend une tige 1 en matériau isolant de résistance élevée à la traction, une ferrure métallique 4 de géométrie intérieure assurant une importante contre-dépouille, et une troisième pièce métallique de fixation 7. Application aux tiges d'isolateurs et à leurs ferrures d'accrochage.

IPC 1-7

**H01B 17/38**

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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Designated contracting state (EPC)

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**EP 0021902 A1 19810107**; CA 1133999 A 19821019; ES 492392 A0 19811101; ES 8201276 A1 19811101; FR 2459398 A1 19810109; FR 2459398 B1 19831110; JP S563311 A 19810114; US 4281943 A 19810804

DOCDB simple family (application)

**EP 80400780 A 19800602**; CA 352715 A 19800526; ES 492392 A 19800613; FR 7915432 A 19790615; JP 7500080 A 19800605; US 15401480 A 19800528