

Title (en)
Insulating structure

Title (de)
Isolierendes Bauelement

Title (fr)
Structure isolante

Publication
EP 0899764 A2 19990303 (DE)

Application
EP 98810829 A 19980821

Priority
DE 19737995 A 19970830

Abstract (en)
The insulating component (1) has an electrically insulating body, at least partially made of a liquid crystal polymer material, provided with a holder (4) at each of its ends, which is secured to the insulating body via force and interlocking connections. The holder has a serrated metal shaft (12) penetrating the end of the insulating hollow cylindrical tie rod (2) providing the insulating component, which is enclosed by an outer sleeve (16), the shaft serrations clamped against the inside of the hollow cylindrical the rod by screwing a clamping screw into a central threaded bore (15).

Abstract (de)
Das Bauelement (1) für die Übertragung von mechanischen Kräften zwischen auf verschiedenen elektrischen Potentialen liegenden Baugruppen weist einen elektrisch isolierenden Körper auf, der an jedem seiner Enden mit einer Halterung (4) versehen ist. Der elektrisch isolierende Körper enthält zumindest teilweise LCP-Material. Die Halterungen (4) sind kraft- und formschlüssig mit dem elektrisch isolierenden Körper verbunden. Das Bauelement (1) kann, dank der Verwendung von LCP-Material besonders massearm, preiswert mechanisch hochfest ausgeführt werden. <IMAGE>

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CPC (source: EP US)
H01H 33/42 (2013.01 - EP US); **H01H 2033/426** (2013.01 - EP US)

Citation (applicant)
US 4963428 A 19901016 - HARVEY ANDREW C [US], et al

Cited by
EP1933347A1; US7514635B2; WO2019110235A1; WO2020216546A1

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