

Title (en)

Fastening device for the poles of traffic lights or the like

Title (de)

Befestigung von Masten für Ampeln oder dergleichen

Title (fr)

Dispositif pour fixer des mats pour des feux de circulation ou similaires

Publication

EP 0955414 B1 20060405 (DE)

Application

EP 99108898 A 19990505

Priority

DE 19820140 A 19980506

Abstract (en)

[origin: EP0955414A2] The fastening arrangement has an essentially cylindrical tubular hole in the component to be fastened relative to the fastening. A plug is provided to fit into the hole. This plug has an expandable sleeve element (13) and a wide body (14). It has a dowel shaft (15) for pushing the wide body relative to the sleeve element. The dowel or plug is arranged such that with the force required for mounting, the dowel is not fully expanded.

IPC 8 full level

E02D 5/80 (2006.01); **E01F 9/685** (2016.01); **E04H 12/22** (2006.01); **E02D 27/42** (2006.01); **F16B 13/06** (2006.01)

CPC (source: EP)

E01F 9/685 (2016.02); **E04H 12/2261** (2013.01); **E02D 27/42** (2013.01)

Citation (examination)

- US 5314277 A 19940524 - FISCHER ARTUR [DE]
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- US 3750526 A 19730807 - LERICH L
- US 4869631 A 19890926 - FROEHLICH PETER [DE]
- DE 4238181 A1 19930715 - I & V GMBH INDUKTIONSSCHLEIFEN [DE]
- MANLEITNER, SIEGFRIED: "Stand der Befestigungstechnik im Beton- und Stahlbetonbau", BETONWERK + BFT FERTIGTEIL-TECHNIK, no. 8, pages 77 - 78,81-83

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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