

Title (en)

Apparatus for foundation of signalling posts

Title (de)

Vorrichtung zur Gründung von Signalmasten

Title (fr)

Dispositif pour fondation de mâts signalétiques

Publication

EP 1643056 B1 20091111 (DE)

Application

EP 05017468 A 20050811

Priority

DE 102004048165 A 20041002

Abstract (en)

[origin: EP1643056A1] A railway signal mast is erected in a foundation consisting of an adapter that has a sleeve (10) and a head plate (12). The sleeve is placed over a pipe or post that has been rammed into the soil. The head plate (12) has fixtures to which the mast is attached.

IPC 8 full level

E04H 12/22 (2006.01); **E01F 9/011** (2006.01)

CPC (source: EP)

E04H 12/2284 (2013.01)

Citation (examination)

- DE 9005632 U1 19910919
- US 2905414 A 19590922 - ZIERDEN FRANK P

Cited by

DE202015105834U1; EP1927698A3; CN114457956A; CN107762245A; GB2561310A; GB2561310B; GB2537074B; GB2518135B; GB2555065B; EP1927698A2; DE202015106315U1; EP3165693A1; EP3228755A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1643056 A1 20060405; EP 1643056 B1 20091111; AT E448374 T1 20091115; DE 102004048165 A1 20060406; DE 502005008474 D1 20091224; DK 1643056 T3 20091221; PL 1643056 T3 20100630

DOCDB simple family (application)

EP 05017468 A 20050811; AT 05017468 T 20050811; DE 102004048165 A 20041002; DE 502005008474 T 20050811; DK 05017468 T 20050811; PL 05017468 T 20050811