

Title (en)

Improvements in or relating to methods of manufacturing arcuate tunnel lining segments.

Title (de)

Verfahren zur Herstellung von gewölbten Tunnelausbausegmenten.

Title (fr)

Méthode de construction de segments arqués de revêtement de tunnels.

Publication

EP 0335500 A1 19891004 (EN)

Application

EP 89301860 A 19890224

Priority

GB 8807559 A 19880330

Abstract (en)

The disclosure relates to a method of moulding an arcuate tunnel lining segment. A mould (10) has a mould cavity formed by a convexly curved surface (11) terminating in axially extending end faces (12) and bounded by side walls (13). Fastening devices in the form of preformed hoops (15) are mounted in the mould cavity at the ends (12) of the cavity and further fastening devices in the form of sockets (16) are mounted in the cavity on the side walls (13). Preformed arcuate reinforcement for the segment is then located in the mould cavity and connected to the fastening devices to support the reinforcement in the mould and concrete is cast in the mould over the reinforcement and fastening devices to form a reinforced cast concrete segment with casting fastening devices in the circumferential and axially extending edge faces.

IPC 1-7

B28B 23/00; **E21D 11/08**

IPC 8 full level

B28B 23/00 (2006.01); **E21D 11/08** (2006.01)

CPC (source: EP)

B28B 23/00 (2013.01); **E21D 11/08** (2013.01); **E21D 11/086** (2016.01)

Citation (search report)

- [Y] GB 1163114 A 19690904 - BERTIE ALAN
- [Y] GB 1502207 A 19780222 - TSUZUKI J [JP]
- [A] GB 2131469 A 19840620 - CHARCON TUNNELS LTD
- [A] GB 2124679 A 19840222 - TSUZUKI JUNICHI
- [A] GB 2124682 A 19840222 - TSUZUKI JUNICHI
- [A] FR 2375438 A1 19780721 - CHARCON TUNNELS LTD [GB]

Cited by

ES2049623A2

Designated contracting state (EPC)

BE DE ES FR GB GR IT LU NL

DOCDB simple family (publication)

EP 0335500 A1 19891004; GB 8807559 D0 19880505

DOCDB simple family (application)

EP 89301860 A 19890224; GB 8807559 A 19880330