

Title (en)

CONSTRUCTION METHOD FOR INNER STRUCTURE OF SINGLE-BORE DOUBLE-TRACK COMPOSITE LINING SHIELD TUNNEL

Title (de)

KONSTRUKTIONSVERFAHREN FÜR INNENSTRUKTUR EINES EINRÖHRIGEN ZWEISPURIGEN TUNNELS MIT
VERBUNDAUSKLEIDUNGSABSCHIRMUNG

Title (fr)

PROCÉDÉ DE CONSTRUCTION DE STRUCTURE INTERNE D'UN TUNNEL DE PROTECTION DE REVÊTEMENT COMPOSITE À DOUBLE
PISTE À ALÉSAGE UNIQUE

Publication

EP 3633141 A1 20200408 (EN)

Application

EP 18806523 A 20180510

Priority

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- CN 2018086275 W 20180510

Abstract (en)

The present invention relates to the field of shield tunnel construction, and provides a construction method for an inner structure of a single-bore double-track composite lining shield tunnel. The method mainly include: a first stage and a second stage; in the first stage, composite lining construction is conducted on a middle section and/or a rear section of the tunnel synchronously during tunnel boring, and lining is conducted on the tunnel by adopting an order of first lining and then splitting from bottom to top in the composite lining construction; and the second stage is a construction stage after the tunnel is bored through. With the adoption of the construction method, the construction of the inner lining structure is conducted on the middle section and/or the rear section of the tunnel synchronously during shield tunnel boring, and thus the construction efficiency is improved; moreover, the order of first lining and then splitting from bottom to top is generally adopted in the composite lining construction, and thus, the stability of the interior of the tunnel can be guaranteed, and smooth passing in a construction space is also guaranteed. The construction method provided by the present invention has good practicability.

IPC 8 full level

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