

Title (en)
Tunnel lining

Title (de)
Tunnelauskleidung

Title (fr)
Revêtement de tunnel

Publication
EP 0794318 A1 19970910 (DE)

Application
EP 97101838 A 19970206

Priority
DE 19608264 A 19960304

Abstract (en)
The rings are built up from successive reinforced-concrete segments in the peripheral direction. Each ring (2) contains one or more peripheral undercut recesses (3), which are filled with concrete on site to increase the strength. Each ring can have one undercut near its inner edge, the recesses in adjacent rings being combined to form a single undercut one. The recesses can be of dovetail section, and adjacent rings can be screwed together via profiled sheet-metal components inserted in the recesses before filling with concrete. The concrete used for filling can be reinforced.

Abstract (de)
Eine Tunnelauskleidung ist mit in Tunnellängsrichtung hintereinander angeordneten Tübbingringen (1) ausgeführt, die jeweils aus in Tunnelumfangsrichtung hintereinander angeordneten segmentförmigen Tübbing (2) aus Stahlbeton aufgebaut sind. Eine nahezu allen Belastungen standhaltende Ausführungsform ist dadurch gewährleistet, daß jeder Tübbingring (1) an seiner Innenmantelfläche mit wenigstens einer umlaufenden, hinterschnittenen Aussparung (3) versehen ist und die Aussparungen (3) mit Ortbeton verfüllt sind. <IMAGE>

IPC 1-7
E21D 11/08; **E21D 11/10**

IPC 8 full level
E21D 11/08 (2006.01); **E21D 11/10** (2006.01)

CPC (source: EP)
E21D 11/08 (2013.01); **E21D 11/105** (2013.01)

Citation (search report)

- [A] GB 1160111 A 19690730 - C V BUCHAN AND COMPANY LTD
- [A] FR 2669953 A1 19920605 - TUYAUX BONNA [FR]
- [A] US 2096850 A 19371026 - FORSBERG CARL T
- [A] GB 623703 A 19490520 - FRANCIS JAMES PATRICK LILLEY
- [A] GB 427473 A 19350425 - MARTYN NOEL RIDLEY
- [A] FR 2083791 A5 19711217 - COMMERCIAL SHEARING STAM
- [A] DE 3800630 A1 19890720 - THYSSEN INDUSTRIE [DE]
- [A] DE 1172289 B 19640618 - JOHANNES W VOGELBERG
- [A] GB 2132249 A 19840704 - FAIRCLOUGH CONSTR GROUP

Cited by
CN111335916A; WO2005024183A1

Designated contracting state (EPC)
AT FR NL

DOCDB simple family (publication)
EP 0794318 A1 19970910; **EP 0794318 B1 20020529**; AT E218182 T1 20020615; DE 19608264 C1 19970507; JP H09317394 A 19971209; SG 79935 A1 20010417

DOCDB simple family (application)
EP 97101838 A 19970206; AT 97101838 T 19970206; DE 19608264 A 19960304; JP 4080197 A 19970225; SG 1997000478 A 19970225