

Title (en)
Tubing segment for lining a tunnel

Title (de)
Tübbingelement zum Auskleiden von Tunneln

Title (fr)
Élément de cuvelage de revêtement de tunnels

Publication
EP 1243753 A1 20020925 (DE)

Application
EP 02006028 A 20020316

Priority
DE 10114615 A 20010323

Abstract (en)
Tubbing (1), especially high-performance tubbing, for a tubbing ring used in underground tunnel construction, is made of concrete and has on the ring-joining side at least one coupling element for a form-locking connection with a complementary coupling element on a second tubbing (1') in an adjacent tubbing ring. At least one steel insert (5) having the coupling element is concreted in the ring-joining side surface (6) of the tubbing. Preferred Features: The coupling element is a groove extending over at least the majority of the length of the tubbing and provided for a form-locking connection with a tongue element (8) as a complementary coupling element extending over the majority of the length of the second tubbing.

Abstract (de)
Tübbing, insbesondere Hochleistungstübbing, für einen Tübbingring zum unterirdischen Tunnelausbau, wobei der Tübbing aus Beton besteht. Der Tübbing weist ringfugenseitig zumindest ein Kopplungselement für eine formschlüssige Verbindung mit einem Komplementärkopplungselement an einem zweiten Tübbing in einem benachbarten Tübbingring auf. Zumindest eine Stahleinlage ist in die ringfugenseitige Oberfläche des Tübbings einbetoniert und die Stahleinlage weist das Kopplungselement auf. <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 11/083** (2013.01); **E21D 11/107** (2013.01)

Citation (search report)

- [X] US 4545701 A 19851008 - TSUZUKI JUNICHI [JP]
- [X] EP 0624714 A2 19941117 - TOKYO GAS CO LTD [JP], et al
- [X] DE 3213952 A1 19831027 - RUHRKOHL AG [DE]
- [X] GB 1585770 A 19810311 - TSUZUKI J
- [A] US 3818710 A 19740625 - CHLUMECKY N
- [A] EP 0716216 A2 19960612 - HOLZMANN PHILIPP AG [DE]
- [A] US 4397583 A 19830809 - HORNCY THOMAS E [GB], et al
- [A] GB 1501430 A 19780215 - PONT A MOUSSON
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 01 31 January 2000 (2000-01-31)

Cited by
EP1701002A1; CN103670442A; CN110541717A; AT518840A1; AT518840B1; JP2021143576A; WO2020160582A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1243753 A1 20020925; **EP 1243753 B1 20080423**; AT E393298 T1 20080515; DE 10114615 A1 20021002; DE 50212126 D1 20080605; PT 1243753 E 20081002

DOCDB simple family (application)
EP 02006028 A 20020316; AT 02006028 T 20020316; DE 10114615 A 20010323; DE 50212126 T 20020316; PT 02006028 T 20020316