

Title (en)
TUBULAR STRUCTURE

Title (de)
ROHRFÖRMIGE ANLAGE

Title (fr)
OUVRAGE TUBULAIRE

Publication
EP 1119663 A1 20010801 (FR)

Application
EP 99943008 A 19990920

Priority
• FR 9902231 W 19990920
• FR 9811819 A 19980922
• FR 9816503 A 19981228

Abstract (en)
[origin: WO0017456A1] The invention concerns a tubular structure comprising, in cross-section transverse to its axis (O), at least three prefabricated elements, respectively two side wall elements (32, 32') resting on the setting surface and at least one upper element (31) with a curved profile resting, along two longitudinal joints (36), on the upper edges of the two side wall elements (32, 32') and tangentially connected thereto to form a continuous vault for transmitting loads on the bases (33) of said side walls (32, 32'). The invention is characterised in that at least some of the side wall elements (32, 32') are shaped so as to possess sufficient rigidity for carrying the applied loads without lateral support on an embankment covering the structure.

IPC 1-7
E02D 29/045

IPC 8 full level
E02B 9/06 (2006.01); **E01F 5/00** (2006.01); **E01F 7/04** (2006.01); **E01F 8/00** (2006.01); **E02D 29/045** (2006.01); **E02D 29/05** (2006.01); **E02F 5/10** (2006.01); **F16L 1/038** (2006.01)

CPC (source: EP)
E01F 5/005 (2013.01); **E01F 7/045** (2013.01); **E01F 8/0047** (2013.01); **E02D 29/045** (2013.01)

Citation (search report)
See references of WO 0017456A1

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

DOCDB simple family (publication)
WO 0017456 A1 20000330; AP 2001002124 A0 20010320; AT E232931 T1 20030315; AU 5630499 A 20000410; CA 2344225 A1 20000330; DE 69905479 D1 20030327; EP 1119663 A1 20010801; EP 1119663 B1 20030219; ES 2190656 T3 20030801; JP 2002526693 A 20020820; JP 4382987 B2 20091216; MY 121095 A 20051230; OA 11909 A 20060410; PT 1119663 E 20030630; TR 200100804 T2 20010921

DOCDB simple family (application)
FR 9902231 W 19990920; AP 2001002124 A 19990920; AT 99943008 T 19990920; AU 5630499 A 19990920; CA 2344225 A 19990920; DE 69905479 T 19990920; EP 99943008 A 19990920; ES 99943008 T 19990920; JP 2000574351 A 19990920; MY PI9904088 A 19990921; OA 00100076 A 19990920; PT 99943008 T 19990920; TR 200100804 T 19990920