

Title (en)
Structure for passage under embankment

Title (de)
Unterirdischer Durchgang

Title (fr)
Ouvrage de passage sous remblai

Publication
EP 1452646 A3 20040915 (FR)

Application
EP 04076571 A 19990308

Priority
• EP 99907667 A 19990308
• FR 9802846 A 19980309

Abstract (en)
[origin: FR2775704A1] The structure, consisting of side wall (2, 2') and top members (3), has the latter made in then form of a partition with a double transverse curvature - a central section (33) which is only slightly curved, and end sections (34, 34') which have the same curvature as the side walls. The top members meet the side walls tangentially and have reinforcing ribs (32) on the underside to take the weight of the members themselves and any loads applied to them.

IPC 1-7
E02D 29/045

IPC 8 full level
E02D 29/045 (2006.01); **E21D 13/00** (2006.01)

CPC (source: EP)
E02D 29/045 (2013.01)

Citation (search report)
• [A] EP 0500444 A1 19920826 - MATIERE MARCEL [FR]
• [A] EP 0381547 A1 19900808 - MATIERE MARCEL [FR]
• [A] FR 2642109 A1 19900727 - MATIERE MARCEL [FR]
• [A] EP 0585959 A1 19940309 - MATIERE MARCEL [FR]
• [A] NL 1000828 C1 19970121 - ADVIESBURO VOOR ALUMINIUM GEVE [NL]
• [DA] EP 0244890 A2 19871111 - MATIERE MARCEL
• [DA] EP 0081402 A1 19830615 - MATIERE MARCEL

Designated contracting state (EPC)
DK ES GB IE PT SE

DOCDB simple family (publication)
FR 2775704 A1 19990910; FR 2775704 B1 20000519; CA 2322980 A1 19990916; DK 1062392 T3 20060703; EP 1062392 A1 20001227; EP 1062392 B1 20060208; EP 1452646 A2 20040901; EP 1452646 A3 20040915; ES 2257033 T3 20060716; JP 2002506150 A 20020226; JP 4644367 B2 20110302; MY 129555 A 20070430; OA 11902 A 20060410; PT 1062392 E 20060531; WO 9946450 A1 19990916

DOCDB simple family (application)
FR 9802846 A 19980309; CA 2322980 A 19990308; DK 99907667 T 19990308; EP 04076571 A 19990308; EP 99907667 A 19990308; ES 99907667 T 19990308; FR 9900518 W 19990308; JP 2000535802 A 19990308; MY PI9900837 A 19990308; OA 00000247 A 19990308; PT 99907667 T 19990308