

Title (en)
SEALING ARRANGEMENT FOR TUNNEL SEGMENTS

Title (de)
DICHTANORDNUNG FÜR TUNNEL-SEGMENTE

Title (fr)
SYSTEME D'ETANCHEITE POUR SEGMENTS DE TUNNELS

Publication
EP 0995013 A1 20000426 (DE)

Application
EP 98936151 A 19980613

Priority
• DE 9801604 W 19980613
• DE 19729019 A 19970708

Abstract (en)
[origin: US6267536B1] A sealing arrangement (1) has two abutting construction elements made of concrete, steel, reinforced concrete, cast iron or other materials, as well as a sealing section made of an elastomer material which sealingly bridges the gap between the two construction elements. The construction elements are in particular segments (2, 2") which are assembled into a tubular tunnel with transverse and longitudinal joints (3). Each segment is preferably provided with a continuous groove on all its abutting sides. An elongated sealing profile (5) is located in each groove, forming a sealing frame with frame corners. The sealing section has elongated open and/or closed flutes arranged on the section base side and elongated ducts arranged between the flutes and the section front side. The sealing section (5) also has at least two groups (A, B) of ducts of which the first (A) is located directly above the flutes while the other (B) is laterally offset with respect to the flutes. Both groups (A, B) of ducts lie substantially in a plane parallel to the base or front side of the section.

IPC 1-7
E21D 11/38

IPC 8 full level
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CPC (source: EP US)
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Cited by
DE102009015232A1; DE102006056055B4; WO2005088075A1; WO2010112015A3; WO2011063804A2; DE102009056063A1; US9222358B2

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