

Title (en)
ASSEMBLING DEVICE FOR JOINING THE ELEMENTS OF A TUNNEL LINING

Publication
EP 0127518 B1 19860723 (FR)

Application
EP 84400990 A 19840515

Priority
FR 8308860 A 19830527

Abstract (en)
[origin: US4594026A] Two adjoining voussoirs 1, 2 in a tunnel shield are assembled by sandwiching a wedge 12 between their adjacent sides 7, 8. The wedge extends over the entire length and width of the voussoir sides, and has concave surfaces 12a of equal curvature radius to the convex surfaces of the voussoir sides. The angle alpha between the adjacent outer surfaces of the voussoirs may be adjusted by varying the radial disposition of the wedge before tightening the assembly. The full mating contact between the voussoir sides and the wedge evenly distributes the applied stress.

IPC 1-7
E21D 11/15; **E21D 11/08**

IPC 8 full level
E21D 11/08 (2006.01); **E21D 11/15** (2006.01)

CPC (source: EP US)
E21D 11/083 (2013.01 - EP US); **E21D 11/15** (2013.01 - EP US); **Y10T 403/75** (2015.01 - EP US)

Cited by
EP0327393A3; GB2312587A; GB2312587B

Designated contracting state (EPC)
AT BE CH DE GB IT LI NL

DOCDB simple family (publication)
EP 0127518 A1 19841205; **EP 0127518 B1 19860723**; AT E20952 T1 19860815; DE 3460340 D1 19860828; FR 2546568 A1 19841130; FR 2546568 B1 19850712; US 4594026 A 19860610

DOCDB simple family (application)
EP 84400990 A 19840515; AT 84400990 T 19840515; DE 3460340 T 19840515; FR 8308860 A 19830527; US 61398384 A 19840525