

Title (en)
SUPPORT FOR A DRIVING SHIELD

Publication
EP 0354335 A3 19901219 (DE)

Application
EP 89111810 A 19890629

Priority
DE 3827098 A 19880810

Abstract (en)
[origin: EP0354335A2] During tunnel driving with driving shields, reaction forces develop which as a rule are diverted to the end face of the tunnel lining. In the case of cast-in-situ tunnel lining, the shield circumferential friction and the pressure of the newly placed concrete on the end formwork (4) are not adequate to absorb the reaction forces occurring, which are therefore passed via the inner formwork (7) into the already hardened concrete in the rear area of the formwork. In order to shift the formwork rings (8) in an unimpeded manner by means of the erector (18) above the travelling carrier (19) after completion of a formwork section, the space inside the inner formwork (7) must remain free. Therefore, while a formwork ring (10) is being shifted from the end to the start of the area cased by the inner formwork (7), the reaction forces of the shield (1) are passed into the formwork by means of longitudinally adjustable supports (16) in the shield tail (15) via the brackets (17) arranged close to the end face (11) on the outer surface of the frontmost formwork ring (9). <IMAGE>

IPC 1-7
E21D 9/06

IPC 8 full level
E21D 9/06 (2006.01); **E21D 9/087** (2006.01)

CPC (source: EP)
E21D 9/0607 (2013.01)

Citation (search report)
• [A] DE 3515680 A1 19861106 - DYCKERHOFF & WIDMANN AG [DE]
• [AD] DE 3628028 A1 19880225 - GEWERK EISENHUETTE WESTFALIA [DE]

Cited by
EP0890708A1; US6357965B2

Designated contracting state (EPC)
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