

Title (en)  
DEVICE FOR ANCHORING TIE-RODS IN THE SOIL

Publication  
**EP 0208153 A3 19870304 (DE)**

Application  
**EP 86107791 A 19860607**

Priority  
DE 8519054 U 19850701

Abstract (en)  
[origin: US4727693A] The apparatus for anchoring a traction member comprises an anchoring body which is a molded piece with a transverse cross section small compared to its longitudinal cross section and an insertable guiding rod couplable detachably with the anchoring body and alignable longitudinally with the anchoring body. An attaching piece for the traction member is mounted laterally on the anchoring body with spacing from both ends of it. To provide an easier removal of an anchoring apparatus erroneously inserted in the ground the anchoring body is provided with a cutter like tapered front end and simultaneously on a rear end a sectioning for nonrotatable engagement with the insertable guiding rod. The attaching piece for the traction member is mounted between the center of gravity of the anchoring body and the cutter like tapered front end and comprises a shackle, a ring loop or a chain link engaged pivotally in a passage through the anchoring body.

IPC 1-7  
**E02D 5/80**

IPC 8 full level  
**E02D 5/80** (2006.01)

CPC (source: EP US)  
**E02D 5/803** (2013.01 - EP US)

Citation (search report)  
• [XP] EP 0161190 A2 19851113 - INST FRANCAIS DU PETROLE [FR]  
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• [A] GB 2133057 A 19840718 - WISE EDGAR GERALD  
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Designated contracting state (EPC)  
AT CH DE FR GB LI NL

DOCDB simple family (publication)  
**US 4727693 A 19880301**; AT E41184 T1 19890315; DE 3662284 D1 19890413; DE 8519054 U1 19850822; EP 0208153 A2 19870114; EP 0208153 A3 19870304; EP 0208153 B1 19890308

DOCDB simple family (application)  
**US 87980886 A 19860627**; AT 86107791 T 19860607; DE 3662284 T 19860607; DE 8519054 U 19850701; EP 86107791 A 19860607