

Title (en)
Ground anchor assembly and method for installing same

Title (de)
Bodenanker und ein Verfahren zum Einbringen dieses

Title (fr)
Ancrage de sol et son procédé de réalisation

Publication
EP 0863261 A1 19980909 (EN)

Application
EP 97103523 A 19970304

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Abstract (en)
A ground anchor assembly and method for installing same are disclosed. The ground anchor assembly is composed of an anchor member (11) adapted for penetration of the ground (g) and a pull member (12) connected to the anchor member (11) and adapted for permitting an embedding medium (17) to be poured into the pull member (12) so that it is distributed to completely surround and encapsulate the pull member (12) and the anchor member (11) within a hole (H) in the ground (g). The embedding medium (17) allows the ground anchor assembly to support tensile and compressive loads and reduces stresses on the connection between the anchor member (11) and pull member (12). In addition, the embedding medium (17) is preferably water impermeable and seals the anchor member (11) and pull member (12) from moisture and other elements which could cause corrosion. <IMAGE>

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IPC 8 full level
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CPC (source: EP)
E02D 5/74 (2013.01); **E02D 5/803** (2013.01)

Citation (applicant)
• US 4044513 A 19770830 - DEIKE ROBERT F
• US 4802317 A 19890207 - CHANDLER DAVID R [US]

Citation (search report)
• [YA] EP 0665337 A1 19950802 - HOLLANDSCHE BETONGROEP NV [NL]
• [YA] DE 936082 C 19560712 - WEGHUBER WILHELM
• [A] GB 831740 A 19600330 - VERUSCHACHT VEREINIGTE UNTERTA
• [DA] US 4802317 A 19890207 - CHANDLER DAVID R [US]
• [A] EP 0259755 A1 19880316 - GD ANKER GMBH & CO KG [DE]

Cited by
CN111733812A; EP1215340A1; KR20020058148A; CN114635421A; EP2094914A4; US7534073B2; US7789594B2; US8011860B2; US10066357B2; US10689823B2

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