

Title (en)
CONSTRUCTION METHOD OF IMPROVING OR STRENGTHENING GROUND

Title (de)
KONSTRUKTIONSVERFAHREN ZUR VERBESSERUNG ODER VERSTEIFUNG DES BODENS

Title (fr)
PROCEDE DE CONSTRUCTION PERMETTANT D'AMANDER OU DE RENFORCER UN SOL

Publication
EP 0541812 B1 19970820 (EN)

Application
EP 92900892 A 19911203

Priority

- JP 9101688 W 19911203
- JP 12947391 A 19910531
- JP 23432291 A 19910913
- JP 23432391 A 19910913

Abstract (en)
[origin: WO9221825A1] A method of squeezing a self-hardening material of stiff consistency into the ground through a jet pipe inserted into the ground when improving or strengthening the soft ground. While or after softening the ground to be treated by jetting high pressurized water from a high pressurized fluid jetting nozzle provided on the forward end of the jet pipe inserted into the soft ground, the self-hardening material of stiff consistency is squeezed into said softened ground to produce an improved part in the ground. A jet pipe having a jetting part projecting outward from the pipe may be used.

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E02D 3/12

IPC 8 full level
E01B 2/00 (2006.01); **E02D 3/12** (2006.01); **E02D 5/44** (2006.01)

CPC (source: EP)
E01B 2/006 (2013.01); **E02D 3/12** (2013.01); **E02D 3/126** (2013.01); **E02D 5/44** (2013.01)

Citation (examination)

- JP H01121397 A 19890515 - NIKKA KK
- GB 2172313 A 19860917 - NIT CO LTD
- EP 0346941 A2 19891220 - STUMP BOHR GMBH [DE]

Cited by
CN114182714A; CN110566271A; DE19721361A1; DE19721361C2; GB2276185A; GB2276185B; BE1009256A3; CN111395059A

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WO 9221825 A1 19921210; CA 2087963 A1 19921201; DE 69127366 D1 19970925; DE 69127366 T2 19990204; EP 0541812 A1 19930519; EP 0541812 A4 19931027; EP 0541812 B1 19970820; ES 2109334 T3 19980116

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