

Title (en)
Apparatus for improving ground

Title (de)
Vorrichtung zur Bodenverbesserung

Title (fr)
Appareil à améliorer le sol

Publication
EP 0962595 A1 19991208 (DE)

Application
EP 99110723 A 19990604

Priority
DE 19825169 A 19980605

Abstract (en)
The device inserts liquid self-hardening binding agents into the soil, to form soil binding bodies. The device has a rotary shaft (1) with several groups (7) of mixer blades (2...) positioned mainly above and at relative distance to each other on the shaft. Individual blades of different groups are positioned approx. in the same rotary planes. One or all blades in a group are fastened to long connectors (5) and/or blades of different groups are connected to different long connectors (8). The connectors are of steel cable, and are at different distances to the shaft, and extend at angles of 0 to 80 degrees relative to the shaft.

Abstract (de)
Vorrichtung zur Bodenverbesserung bindiger oder locker gelagerter Böden durch Einmischen von selbsterhärtenden Bindemitteln in den gewachsenen Boden. <IMAGE>

IPC 1-7
E02D 5/36; **E02D 3/12**

IPC 8 full level
E02D 3/12 (2006.01); **E02D 5/36** (2006.01)

CPC (source: EP)
E02D 3/126 (2013.01); **E02D 5/36** (2013.01)

Citation (applicant)
• DE 4219150 C1 19930923
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Citation (search report)
• [A] US 4637731 A 19870120 - DAHLIN PER O [SE]
• [DA] DE 4219150 C1 19930923
• [A] WO 9214887 A1 19920903 - HEATH ANTONY [AU]
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• [A] WO 9302257 A1 19930204 - BPA BYGGPRODUKTION AB [SE]

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EP1457602A3; NL1015498C2; DE102004038896A1

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