Title (en)

MOBILE SOIL IMPROVING MACHINE

Title (de)

MOBILE BODENVERBESSERUNGSMASCHINE

Title (fr)

ENGIN MOBILE D'AMELIORATION DU SOL

Publication

EP 1184518 A1 20020306 (EN)

Application

EP 00931713 A 20000606

Priority

- JP 0003671 W 20000606
- JP 15964499 A 19990607

Abstract (en)

A machine body (1) having a traveling equipment (2) is provided with a mixer (3), a soil hopper (8), a raw soil conveying device (7) and a modified soil conveying device (10). Further, a soil conditioner supply device comprising a liquid supplying means (11), a liquid tank (12) and a liquid ejecting means (13) is provided for the machine body (1), and the liquid ejecting means (13) is attached to a portion close to an input port of the mixer (3), so that the liquid soil conditioner is ejected and supplied on the raw soil on the way of being conveyed by the raw soil conveying device (7). Since the soil conditioner is liquid, the liquid tank (12) and the liquid supplying means (11) can be formed to provide an arbitrary shape and can be mounted to an arbitrary portion with respect to the liquid ejecting means or an arbitrary portion apart from the liquid ejecting means. Accordingly, the liquid tank (12) can be mounted to a lower portion and can be formed to take an arbitrary shape suitable to a space for the tank by utilizing a flowability of the liquid, so that a capacity of the liquid tank can be increased. Therefore, at a time of supplying the liquid soil conditioner into the liquid tank (12), there is no need to use a crane required for supplying a powdery soil conditioner, so that the supplying work can be performed easily and a time interval of supplying the soil conditioner is made long and a frequency of supplying the soil conditioner can be reduced. <IMAGE>

IPC 1-7

E02D 3/12; E02F 7/00; E01C 21/00; E02F 7/02; E02F 5/22

IPC 8 full level

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CPC (source: EP KR)

B01F 27/00 (2022.01 - KR); **E01C 21/00** (2013.01 - EP); **E02D 3/12** (2013.01 - EP KR); **E02D 3/126** (2013.01 - EP); **E02F 5/226** (2013.01 - EP); **E02F 7/02** (2013.01 - EP)

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