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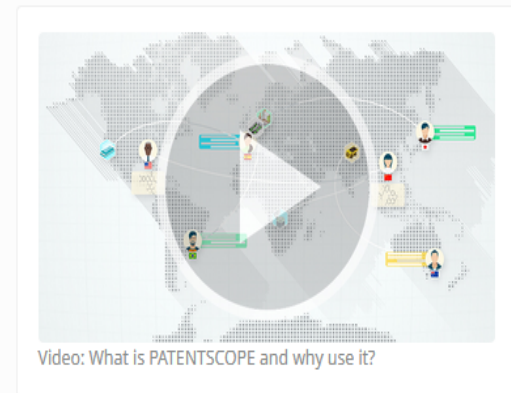
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1 / 106,088

Machine translation

1. [0915205](#) [SOIL](#) IMPROVING MACHINE WITH EXCAVATING MEANS

EP - 12.05.1999

Int.Class [E02D 3/00](#) Appl.No 98921728 Applicant HITACHI CONSTRUCTION MACHINERY Inventor MIYAKE SHIGEHICO

A vehicular soil treating machine having a base carrier with a crawler type vehicle drive, an upper rotary body rotatably mounted on the base carrier, and an excavation means mounted on the upper rotary body and equipped with a soil excavating bucket. Provided on the base carrier is an elongated continuous soil processing trough having a predetermined length in the longitudinal direction of the base carrier and internally provided with a tumbling/mixing means for uniformly mixing additive soil improving material into sand and soil which is fed from the excavation means. A soil hopper is provided over one end of the continuous processing trough, and an additive feed means is located behind the soil hopper to feed additive soil improving material to the continuous processing trough.

2. [6171030](#) [SOIL](#) IMPROVING MACHINE WITH EXCAVATING MEANS

US - 09.01.2001

Int.Class [E02D 3/12](#) Appl.No 09147585 Applicant Hitachi Construction Machinery Co., Ltd. Inventor Miyake, Shigehiko

A vehicular soil treating machine having a base carrier with a crawler type vehicle drive, an upper rotary body rotatably mounted on the base carrier, and an excavation means mounted on the upper rotary body and equipped with a soil excavating bucket. Provided on the base carrier is an elongated continuous soil processing trough having a predetermined length in the longitudinal direction of the base carrier and internally provided with a tumbling/mixing means for uniformly mixing additive soil improving material into sand and soil which is fed from the excavation means. A soil hopper is provided over one end of the continuous processing trough, and an additive feed means is located behind the soil hopper to feed additive soil improving material to the continuous processing trough.

3. [WO/2022/112446](#) AN APPARATUS AND METHOD FOR SEEDING AND CROP ESTABLISHMENT

WO - 02.06.2022

Int.Class [A01G 11/00](#) Appl.No PCT/EP2021/083052 Applicant RUSSET TECHNOLOGY LLP Inventor MAY, Leslie Francis

The invention provides a method of suppressing weed growth on an underlying soil substrate, which method comprises: (i) providing a moving carriage (2) having mounted thereon: a soil collecting device (4); a soil sterilizer device



RESULT DISPLAYED

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1. EP0915205 - SOIL IMPROVING MACHINE WITH EXCAVATING MEANS

National Biblio. Data Description Claims Drawings Patent Family Documents

PermaLink Machine translation

Office
European Patent Office

Application Number
98921728

Application Date
20.05.1998

Publication Number
0915205

Publication Date
12.05.1999

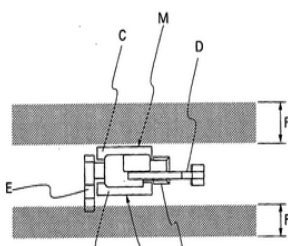
Publication Kind
B1

IPC

E02D 3/00	E02D 3/12	E02F 5/12
E02F 5/22	E02F 7/00	E02F 7/02

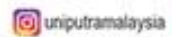
Title
[DE] BODENVERBESSERTUNGSMASCHINE MIT GRABEVORRICHTUNGEN
[EN] SOIL IMPROVING MACHINE WITH EXCAVATING MEANS
[FR] MACHINE D'AMELIORATION DU SOL DOTE D'UN MOYEN D'EXCAVATION

FIG. 1



The diagram shows a cross-section of a soil improving machine. It features a central vertical shaft with a rotating component labeled 'M'. To the left, there is a component labeled 'C'. To the right, there is a component labeled 'D'. At the bottom, there is a component labeled 'E'. Two horizontal lines represent soil layers, with arrows indicating forces F_1 and F_2 acting on them.





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