

Title (en)  
Process and apparatus for consolidating the terrain.

Title (de)  
Verfahren und Einrichtung zur Bodenkonsolidierung.

Title (fr)  
Procédé et dispositif de consolidation de terrains.

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Application  
**EP 89400217 A 19890126**

Priority  
FR 8801757 A 19880215

Abstract (en)  
The invention relates to the consolidation of terrain, on the surface of which a partial air vacuum is established in a layer (14) of permeable material surmounted by a sealing membrane (15), and in which a network of drains (13) is installed. According to the invention, each drain is equipped with a hollow pipe (19) connected to an external water-discharge means (18), such as a suction pump, which is controlled so as to discharge onto the surface from the drains the water which has accumulated there. The invention is used particularly for the consolidation of loose soils of low permeability saturated with water. <IMAGE>

Abstract (fr)  
L'invention se rapporte à la consolidation des terrains en surface desquels on établit un vide d'air partiel dans une couche (14) de matériau perméable surmontée d'une membrane (15) d'étanchéité et dans lesquels on met en place un réseau de drains (13). Selon l'invention, on équipe chaque drain d'un tube (19) creux relié à un moyen extérieur (18) d'évacuation d'eau tel qu'une pompe à aspiration que l'on commande de manière à évacuer en surface, hors des drains, l'eau qui s'y est accumulée. L'invention s'applique tout particulièrement à la consolidation des sols mous à faibles perméabilité, imprégnés d'eau.

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