

Title (en)

Method and device for the insertion of a narrow partition or subterranean curtain in the earth.

Title (de)

Verfahren und Vorrichtung zum Herstellen einer Schmal- oder Schlitzwand in Erdreich.

Title (fr)

Méthode et dispositif pour produire un rideau étroit ou souterrain dans la terre.

Publication

EP 0474070 B1 19941130 (DE)

Application

EP 91114190 A 19910823

Priority

DE 4027596 A 19900831

Abstract (en)

[origin: JPH04228719A] PURPOSE: To produce a narrow and thin wall in soil. CONSTITUTION: A narrow and thin wall 42 is constructed in a soil 22 with a device 10 comprising at least two, preferably three, vibrating tubes I, II, and III and guide blades 28, 30, and 32 between vibrating tubes. After penetration of ram into the soil, an injection material 40 and 44 is loaded in drilled cavities during its lifting-up process. In the next work process, the ram lowers the rearmost vibrating tube I into a still-soft injection material 40, however, the front vibrating tubes II and III are made to penetrate into a new soil. By monitoring electric-power input of a vibration motor of the rearmost vibrating tube I and adjusting the electric-power input to a minimum value, the rearmost vibrating tube is prevented from withdrawing from the still-soft injection material 40. Thus, the tightness between succeeding parts of the thin walls 42 is assured. Continuous abutting of the paths 40 and 44 produced by the individual vibrating tubes ensures the tightness of each wall section.

IPC 1-7

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CPC (source: EP US)

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Cited by

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