

Title (en)

Method for installing tapered piles, tapered piles, and foundation structures made with these piles

Title (de)

Verfahren zur Einbringung von sich verjüngenden Pfählen, zugehörige Pfähle, und daraus hergestellte Gründungen und Fundamentbildungen

Title (fr)

Procédé d'installation de pieux côniques, pieux correspondants, et fondation à pieux ainsi obtenue

Publication

EP 0758699 B1 20011017 (DE)

Application

EP 96111806 A 19960723

Priority

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- DE 19535183 A 19950925
- DE 29601080 U 19960123

Abstract (en)

[origin: EP0758699A1] The piles (1) decrease in size in direction of setting. They are subjected to vibrations (9), to and fro in longitudinal pile direction, and in this way are driven into the ground (2) until they reach a position, which is slightly short of their final position. The vibrations are stopped, and a pressure or traction force (10), free of vibrations, and acting in direction of insertion, is applied to the pile, until it is held in the ground with a certain prestress. Initially, each pile is drawn or pressed into the ground over part (5) of its length, without vibrations, which are applied after this process. The piles consist of concrete and decrease in size conically or in an arch-shape.

IPC 1-7

E02D 5/30; **E02D 27/12**; **E02D 7/26**

IPC 8 full level

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CPC (source: EP)

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Cited by

US2011091291A1; US8360689B2; GB2330370A; GB2330370B; EP0902128A3; US2010329798A1; US8328470B2; GB2384510B; GB2354276A; GB2354276B; GB2331318A; GB2331318B; GB2580041B; US9915050B2; EP2537986A1; US6402432B1; WO02077395A3; WO03062540A1; WO02077136A3; KR101331703B1

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