

Title (en)

METHOD FOR FORMING A PILE WALL IN GROUND AND A CORRESPONDING PILE WALL

Title (de)

VERFAHREN ZUM BILDEN EINER PFAHLWAND IM BODEN UND EINE ENTSPRECHENDE PFAHLWAND

Title (fr)

PROCÉDÉ DE FORMATION D'UNE PAROI DE PIEU DANS LE SOL ET PAROI DE PIEU CORRESPONDANTE

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Application

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Abstract (en)

[origin: WO2021105569A1] The invention relates to a method for forming a pile wall (10) in ground (100), in which - several parallel, essentially vertical, drill holes (12) are drilled side by side in the ground (100) using a drilling device (102), - non-rotating pipe piles (16) equipped with longitudinal interlocks (14) are placed after the drilling device (102) in each drill hole (12) in connection with the drilling, which parallel pipe piles (16) are joined together by the said interlocks (14) and are smaller in diameter than the drill hole (12), - The drill hole (12) is flushed using medium to remove drilling waste from the drill hole (12) - reinforcements (20) are placed to reinforce the pile wall (10), - concrete (18) is cast into each pipe pile (16), - at least some of the said parallel pipe piles (16) are lifted one at a time at least partly out of the drill hole (12) after the concrete (18) has been cast, but before the concrete (18) has hardened from a liquid concrete paste to a rigid concrete paste, when the concrete (18) compacted in each drill hole (12) expands laterally into the concrete (18) of the adjacent pipe pile (16) and forms together with the concrete piles (22) of the adjacent drill holes (12) a unified watertight pile wall (10). The invention also relates to a pile wall (10).

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