

Title (en)

UNDERGROUND DIAPHRAGM AND METHOD FOR CREATING A SLIT IN THE GROUND

Title (de)

SCHLITZWANDGERÄT UND VERFAHREN ZUM ERSTELLEN EINES SCHLITZES IM BODEN

Title (fr)

APPAREIL D'EXCAVATION DE TRANCHÉES POUR PAROIS MOULÉES ET PROCÉDÉ D'EXCAVATION D'UNE PAROI MOULÉE DANS LE SOL

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Application

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Priority

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Abstract (en)

[origin: WO2023274711A1] The invention relates to a trench cutter for producing a trench in the ground, with a main frame which extends in a longitudinal direction, at least one soil removal device which is arranged on a lower end region of the main frame, a holding device on an upper end region of the main frame, a bracing device with at least two tensioning elements which lie opposite one another and can be moved laterally, transversely with respect to the longitudinal direction, and at least one actuating element, by way of which the tensioning elements can be extended laterally in order to brace at least one part of the trench cutter in the trench, an intermediate frame which is mounted displaceably along the main frame and on which the bracing device with the at least two tensioning elements and the at least one actuating element is arranged, and a pressing device, by way of which a pressing force can be applied to the at least one soil removal device, wherein the pressing device is arranged between the intermediate frame and the main frame. It is provided according to the invention that the bracing device has at least two actuating elements which are arranged perpendicularly with respect to the longitudinal direction, wherein at least one first actuating element is mounted firstly on the intermediate frame and secondly on a first tensioning element, and at least one second actuating element is mounted firstly on the intermediate frame and secondly on a second tensioning element which is arranged so as to lie opposite the first tensioning element, and that the first actuating elements and the second actuating elements can be extended perpendicularly with respect to the longitudinal direction.

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