

Title (en)

ROLLER FOR COMPACTING SOIL AND METHOD FOR GENERATING AN OSCILLATING IMAGE OF A ROLLER FOR COMPACTING SOIL

Title (de)

WALZE ZUR BODENVERDICHUNG SOWIE VERFAHREN ZUM ERZEUGEN EINES SCHWINGUNGSBILDES EINER WALZE ZUR BODENVERDICHUNG

Title (fr)

ROULEAU DE COMPACTAGE DU SOL AINSI QUE PROCÉDÉ PERMETTANT DE GÉNÉRER UN MODÈLE OSCILLATOIRE D'UN ROULEAU DE COMPACTAGE DU SOL

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2018130262A1] The invention relates to a roller (1) for compacting soil, comprising a machine frame (2) having a driver's cabin (3), a drive motor (4), at least one tyre of a roller (5), wherein the at least one tyre of a roller (5) is mounted such that it can rotate between two bearing arms (6) arranged on the front side and which are connected to the machine frame (2), an exciter unit (13) arranged inside said at least one tyre of a roller (5) for generating oscillations using the exciter housing (14), two interconnected, counter-rotating unbalance weights (15A, 15B) mounted inside the exciter housing (14), the unbalance weights (15A, 15B) rotating about two rotational axes (R1, R2) that are fixed with respect to the exciter housing (14), and a drive motor (22) arranged outside of the exciter housing (14), said drive motor being drivingly connected to at least one of the two rotationally mounted unbalance weights (15A, 15B), the exciter housing (14) being rotationally fixed with respect to the bearing arms (6) and the two unbalance weights (15A, 15B) being interconnected such that the amplitudes thereof are added in the horizontal direction.

IPC 8 full level

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