

Title (en)
CELL FOR CONDITIONING AND IMPROVING OF SOIL, AS WELL AS PROCESS FOR PRODUCTION AND ALLOCATION TO THE SOIL OF IT

Title (de)
ZELLE ZUR AUFBEREITUNG UND VERBESSERUNG DES BODENS SOWIE VERFAHREN ZU DEREN HERSTELLUNG UND EINSETZUNG IM BODEN

Title (fr)
ÉLÉMENT DE CONDITIONNEMENT ET D'AMÉLIORATION DU SOL ET SON PROCÉDÉ DE PRODUCTION ET DE MISE EN PLACE DANS LE SOL

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Abstract (en)
[origin: WO2012001435A1] The subject of the invention is a cell for conditioning and improving of soil, as well as a process for production and allocation to the soil of it, said cell (1) is situated around the roots and depending on its shape, size and location in the soil keeps the water, respectively ventilates the soil, and depending on the material of the cell wall (2), in given case it can even provide nutrients. The invention is a cell (1) for conditioning and improving of soil, having a cell wall (2) of non-hygroscopic, or hygroscopic material, and an inner space (34), bordered by the cell wall (2). The cell (1) is an arched tube of half torus shell, or a formation similar to a half torus shell shape, with smooth and/or rough surface, having a coherent, bordered inner space (34) and countable openings (3), preferably two openings (3). The invention is a cell (1) for conditioning and improving of soil, having a cell wall (2) of non-hygroscopic, or hygroscopic material, and an inner space (34), bordered by the cell wall (2). The cell (1) is a bowl-like shell shape, in given case a hemisphere shell, a flattened hemisphere shell with a coherent bordered inner space (34) and an opening (3), with smooth, and/or rough surface. The invention is furthermore a method for producing cell (1) for improving and conditioning of the soil, during of the method the materials of the cell (1), binding materials, and in given case the powder fraction (23) of the soil to be treated (16) as filling material are mixed in a mixing container (24) with the known method with the help of a mixing unit (27). Then the raw material of the cell (1) is placed into a press, preferably into a screw press (28), where the cell (1) of required shape is formed. Then the humid, ground wet cells (1) are dried with a drier (29), or in given case they are dried in a spread state, in a ventilated space for a longer time. Then the dried cells (1) are packed into bags and used as per demand.

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Citation (search report)

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