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(54) Title: **MONOLITHIC FOUNDATION SYSTEM WITH HOMOPOLYMER/RESISTAN AGGREGATE PAVEMENT WITH A SEMI-CONTINUOUS CONFIGURATION**

(57) Abstract: This invention relates to a monolithic foundation (1) system with homopolymer /resist ant aggregate pavement with a semi-continuous configuration, which uses a pavement with load transfer elements (5) for the induction of joints. It is essentially characterized in that it comprises a foundation (1) having high-density expanded polystyrene blocks, which supports a semi-continuous cement concrete pavement, the pavement formwork being formed by the polystyrene blocks of the foundation. Each one of the load transfer plates (5) is comprised of two anchors (6) with two rebars (7) for alignment of a joint inductor (8), and a ball joint (9) which, at the load support moment, rotates anticlockwise and, at the support moment generated by the load transfer plates, performs a clockwise movement. The said ball joint releases the concrete slabs (4) from stress caused by bending/traction at the moment of load transfer, allowing the foundation to be unaffected by bending moments resulting from the load and thus making the slab (4) work essentially with compression stress. The existence of the said ball joints enables the foundation to be obtained by the said polystyrene blocks.



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