

Title (en)

Device for controlling the pressure upon the ground of a vibrating levelling unit of a vibratory finishing machine for road paving.

Title (de)

Vorrichtung zur Kontrolle des Bodendruckes einer vibrierenden Planierungsvorrichtung eines vibrierenden Strassenfertigers.

Title (fr)

Dispositif pour contrôler la pression exercée sur le sol par la lisseuse vibrante d'une vibro finisseuse pour revêtements routiers.

Publication

EP 0235331 A1 19870909 (EN)

Application

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Priority

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Abstract (en)

A device for automatic control of the contact pressure of the levelling unit (1) of a finishing machine for road paving on the material to be spread, also comprising means for regulating the hydraulic fluid pressure and its circuit, comprising electro-distributors, non-return valves (44), maximum pressure valves (26) and at least one accumulating chamber (28), characterized in that the hydraulic circuit is assisted by an electric circuit for transmission of signals; that in said hydraulic circuit an electrically-controlled valve (45) for pressure adjustment and an electro-manometer (46), both connected to the cited electric circuit, are inserted. To the same electric circuit an amplifying comparator (47) and a trimmer (48) are also connected, while a sensing device (49) capable of measuring elongations is also connected to the electric system and measures continuously the width of the spread layer and transmits this value through the electric circuit to the comparator (47) which, in turn, acts upon the pressure regulating valve (45) for possible corrections, thus maintaining constant the pressure of the levelling device (1) on the material to be spread.

IPC 1-7

E01C 19/48; **E01C 19/40**

IPC 8 full level

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CPC (source: EP)

E01C 19/40 (2013.01); **E01C 19/4853** (2013.01); **E01C 2301/16** (2013.01)

Citation (search report)

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