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TRANSFORMATOR.

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Abstract (en)
[origin: WO9119304A1] The aim of the invention is to obtain a transformer in which loosening of the winding due to dynamic short-circuit forces is prevented. The transformer has a pressure beam (1) which yokes the windings (2), which are terminated by the winding pressure ring (3). The expanding spring element (6) is arranged between the pressure beam and the winding ring (3). The spring element (6) consists of the bushing (7), the springs, in particular superimposed cup springs (8), and the plunger (9). Adjusting screws (10) which act on the plunger (9) are seated in the pressure beam (1). The necessary preliminary pressure is applied to the plunger (9) by a hydraulic cylinder (11) which is inserted through a bore (15) in the supporting surface (4) of the pressure beam (1). After the cup springs (8) are fastened by the plunger (9), which in turn is held by the adjusting screws (10), the hydraulic cylinder (11) can be removed. This invention makes it possible for the first time to maintain the winding pressing required for reliable operation of the transformer throughout the entire service life of the transformer, and this spring element (6) possesses a certain flexibility.

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