

Title (en)

Spring-mounted spreading device, especially for heating elements

Title (de)

Nachspannbare Federaufweitvorrichtung, insbesondere für Heizelemente

Title (fr)

Dispositif d'épandage suspendu à des ressorts, en particulier pour éléments de chauffage

Publication

EP 1168887 B1 20050817 (DE)

Application

EP 01112337 A 20010519

Priority

DE 10027340 A 20000602

Abstract (en)

[origin: US2001047991A1] The invention concerns an expanding device (1) comprising two parts (heating elements 3,4) which can be moved relative to one another against the action of a spring element (11), wherein the spring element (11) is disposed between the two parts (heating elements 3,4) and abuts both parts (heating elements 3,4) with one external leg (12,13) each, a tensioning element (21) which can be displaced at a right angle to the direction of movement (14,15) of the two parts (heating elements 3,4) and is surrounded by a central connecting leg (18) of the spring element (11), and a counter bearing (20) on which the connecting leg (18) is supported in a tensioning direction (21') of the tensioning element (21), wherein at least in the tension-free state, a section (16,17) of the connecting leg (18) cooperating with the tensioning element (21) in the tensioning direction (21') is oriented at an inclined angle to the tensioning direction (21') thereby forcing the parts to an abutment or wall and holding them in position.

IPC 1-7

H05B 3/16; B60H 1/22; H05B 3/66; H05B 3/06

IPC 8 full level

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