

Title (en)  
Ejectorsystem for moulds

Title (de)  
Auswerfersystem für Formkästen

Title (fr)  
Systeme ejecteur pour des articles moulés

Publication  
**EP 1704945 A1 20060927 (DE)**

Application  
**EP 06100051 A 20060103**

Priority  
DE 102005013563 A 20050323

Abstract (en)  
An ejector system for moulding boxes, especially core boxes, has a system for adjusting the axial position of the ejector rod in relation to its spring-loaded carrier plate in order to compensate for the difference in thermal expansion between the metal rod and its guide channel in the plastic lower mould part. An injector system for moulding boxes, especially core boxes, with a frame (15) comprising an upper base plate (17) onto which a lower mould part (e.g. of plastic) is fixed, a lower base plate (18), pillars (20) connecting (17) with (18), a third (middle) plate (3) which can move between (17) and (18) on the pillars, coil springs (21) on the pillars (20) between plates (17) and (3) which, in the resting state, preload the middle plate (3) downwards against stops (24) on the lower base plate (18), an ejector rod or shaft (1) mounted on the middle plate (3) and extending through the upper plate (17) and a guide channel in the mould part (16) as far as the top of (16), a head of greater diameter (1a) at the lower end of (1) and held in a chamber (22) in the middle plate (3) with both radial and axial clearance. The stops (24) are mounted so that the top of the ejector rod (1) and the top of the mould part (16) are in the same plane when the system is at rest, and there is an adjusting system (7, 8) in the chamber (22) for fine adjustment of the relative axial position of the head (1a) in order to compensate for the difference in the thermal expansion coefficients of the guide part (16) and the metallic ejector (1).

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Citation (search report)  
• [A] US 3348606 A 19671024 - PTAK EDWARD J, et al  
• [A] DE 10114714 C1 20021017 - WINTER FRITZ EISENGIESSEREI [DE]  
• [A] DE 2418658 A1 19751030 - HANNING ELEKTRO WERKE

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