

Title (en)

Fluid dispensing device and its manufacturing method

Title (de)

Spender für Medien sowie Verfahren zur Herstellung eines Spenders

Title (fr)

Distributeur de fluide et son procédé de fabrication

Publication

**EP 0945185 A2 19990929 (DE)**

Application

**EP 99105371 A 19990316**

Priority

DE 19813078 A 19980325

Abstract (en)

The two main components (2, 3) are initially connected together by a deliberate weak line (4) at a connecting zone and the module forms a channel or nozzle unit with an opening for guiding the dispensed item when both parts are in the operational position. At least one component forms a shear zone (34) which breaks the weak connection when one of the components is pressed out of its original molded position. An Independent claim is made for a process for injection molding the dispenser module and then separating both parts by shearing at the weak line. Preferred Features: The shear zone comprises shear faces (21, 25) sliding in intimate contact with each other and the connecting weak line links the shear surfaces (21) of one component to a transverse leading face (29) of the other component. The connecting line is at the front end of the moving component (3) in its direction of movement. When the weak line is broken the moving component slides in a play-free guide which starts at the shear zone and permits movement of the moving component in the operational direction only. The guide is open on one side and only when the moving component is in the dispensing position does it cover and guide the front end of the component on all faces.

Abstract (de)

Zwei Bauteile (2, 3) eines Medienspenders werden zunächst einteilig im Spritzgußverfahren aus Kunststoff unter Ausbildung einer Schnittbüchse (6) und eines Schnittstempels (7) so hergestellt, daß sie nur über feinste Verbindungen (4, 30) verbunden sind. Dann wird der Stempel (7) durch Druckbelastung in Richtung (12) in den anderen Teil (2) geschoben. Dabei wird die Verbindung (4, 30) durch Scherschneiden getrennt. Dadurch wird eine sehr einfache Fertigung bei genau gleicher Werkstoffgüte beider Teile (2, 3) erreicht. <IMAGE>

IPC 1-7

**B05B 11/00**; **B29C 69/00**

IPC 8 full level

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CPC (source: EP KR US)

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Citation (applicant)

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