

Title (en)  
PLASTIC SNAP HINGE HAVING A SNAP-ACTION BENDING ELEMENT

Publication  
**EP 0447357 A3 19920311 (DE)**

Application  
**EP 91810127 A 19910226**

Priority  
CH 78590 A 19900312

Abstract (en)  
[origin: EP0447357A2] Two parts (1, 2) are joined together, on the one hand, via a single-part or multi-part main hinge (3) and, on the other hand, via a snap-action bending element (4). The bending element (4), in turn, is linked via film hinges (41) to the part (1) and via a film hinge (42) to a second part (2). The bending element has a multi-folded shape which is such that there is always a straight line which penetrates the resilient bending element at at least three different points. The construction allows plastic closures to be designed with a flat cap (2) with an extremely large opening angle and a strong snap action. <IMAGE>

IPC 1-7  
**B65D 47/04**

IPC 8 full level  
**B65D 47/08** (2006.01); **E05D 1/02** (2006.01); **E05D 11/10** (2006.01); **E05F 1/10** (2006.01)

CPC (source: EP)  
**B65D 47/0814** (2013.01)

Citation (search report)

- [X] BE 571119 A
- [X] US 4414705 A 19831115 - OSTROWSKY EFREM M [US]
- [X] DE 8703760 U1 19880714

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