

Title (en)  
FABRICATION PROCESS FOR A DUSTBAG CLOSURE DEVICE

Publication  
**EP 0439700 B1 19930512 (DE)**

Application  
**EP 90121442 A 19901109**

Priority  
DE 4002868 A 19900201

Abstract (en)  
[origin: US5158635A] A connecting member for filter bags or the like used for collecting dust has a main body secured to the filter bag, which main body has a multi-ply structure of board or cardboard. The main body has a passageway therethrough for facilitating the passage of dust into the filter bag. A slide gate is arranged on the main body between two plies of the main body and a handle thereon projects laterally beyond the main body and is movable between a moved in position leaving the passage opening uncovered and a moved out position shutting it. The main body is folded from a single piece of material cutout along preset fold lines. The plies of the main body placed on top of each other after folding are bonded together. The slide gate is at least partly a component of the cutout and is connected with the rest of the cutout via preset tear lines so that the slide gate may be torn off to the side after folding and bonding.

IPC 1-7  
**A47L 9/14**

IPC 8 full level  
**A47L 9/14** (2006.01)

CPC (source: EP US)  
**A47L 9/1445** (2013.01 - EP US); **Y10T 156/1036** (2015.01 - EP US); **Y10T 156/1051** (2015.01 - EP US); **Y10T 156/1056** (2015.01 - EP US)

Cited by  
EP0623305A1; EP0555655A1; DE4217544C1; DE4217544C2; EP0627189A1; EP0499168A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)  
**US 5158635 A 19921027**; AT E89145 T1 19930515; DE 4002868 C1 19910411; DE 59001446 D1 19930617; DK 0439700 T3 19931011; EP 0439700 A1 19910807; EP 0439700 B1 19930512; ES 2040546 T3 19931016; JP 2584900 B2 19970226; JP H04212322 A 19920803

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**US 63952191 A 19910110**; AT 90121442 T 19901109; DE 4002868 A 19900201; DE 59001446 T 19901109; DK 90121442 T 19901109; EP 90121442 A 19901109; ES 90121442 T 19901109; JP 862991 A 19910128