

Title (en)

Separable bottom end assembly for slide fastener.

Title (de)

Unterer teilbarer Endstop für Reissverschluss.

Title (fr)

Assemblage d'extrémité séparable pour fermeture à glissière.

Publication

EP 0493787 A1 19920708 (EN)

Application

EP 91122195 A 19911223

Priority

JP 41682990 A 19901227

Abstract (en)

In a separable bottom end assembly for a slide fastener, a socket member (1) includes an outer box (3) in which, a first separate pin member (14) is received so as to project upwardly therefrom, an inner box (4) received in the outer box (3), and springs (11) mounted between the outer box (3) and the first separate pin member (14) so as to normally urge the inner box (4) upwardly. The inner box (4) has a hollow portion (17) through which a second separate pin member (2) is inserted. The outer box (3) has on its outer surface a locking projection (8) which is lockingly engageable with a pull tab (p) of a slider (s) when the inner box (4) is pushed downwardly against the bias of the springs (11) by the slider (s). <IMAGE> <IMAGE>

IPC 1-7

A44B 19/38

IPC 8 full level

A44B 19/38 (2006.01)

CPC (source: EP KR)

A44B 19/36 (2013.01 - KR); **A44B 19/38** (2013.01 - EP KR)

Citation (search report)

- [A] GB 613342 A 19481125 - NEWY BROTHERS LTD, et al
- [A] US 3583041 A 19710608 - HORWITT NATHAN G
- [A] US RE20795 E 19380712
- [A] US 2649638 A 19530825 - MORIN LOUIS H

Cited by

CN109043746A; US11825919B2; JP2014523788A

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0493787 A1 19920708; **EP 0493787 B1 19951129**; DE 69115008 D1 19960111; DE 69115008 T2 19960704; HK 125397 A 19970912; JP H04231003 A 19920819; JP H0793888 B2 19951011; KR 920011409 A 19920724; KR 940001842 B1 19940309; TW 205500 B 19930511

DOCDB simple family (application)

EP 91122195 A 19911223; DE 69115008 T 19911223; HK 125397 A 19970626; JP 41682990 A 19901227; KR 910024455 A 19911226; TW 80110169 A 19911224