

Title (en)
Separable buckle

Title (de)
Trennbare Schnalle

Title (fr)
Boucle séparable

Publication
EP 1243192 A3 20031210 (EN)

Application
EP 02006231 A 20020320

Priority
JP 2001084570 A 20010323

Abstract (en)
[origin: EP1243192A2] A buckle which consists of a female member (1) having an insertion port (10) at an end of a housing (3) and a male member (2) having an insertion portion capable of being inserted into the housing (3), and is formed of a mounting portion (5) at least on one of the female member (1) and the male member (2). The mounting portion (5) can mount a locking device (50) or a sealing device (52) for locking or sealing engagement between the female member (1) and the male member (2) and comprises, for example, a mounting column (15, 31) or the like having a through hole (16, 32). When the insertion portion (4) is inserted into the housing (3), the through holes (16, 32) are overlapped and a lock bar is inserted into the through hole (16, 32) so as to lock, the engagement between the female member (1) and the male member (2) is locked accurately and easily. <IMAGE>

IPC 1-7
A44B 11/26

IPC 8 full level
A44B 11/25 (2006.01); **A44B 11/26** (2006.01)

CPC (source: EP KR US)
A44B 11/26 (2013.01 - KR); **A44B 11/266** (2013.01 - EP US); **Y10T 24/45529** (2015.01 - EP US)

Citation (search report)

- [X] US 6145172 A 20001114 - BOURDON TED [CA]
- [X] EP 0427525 A1 19910515 - YOSHIDA KOGYO KK [JP]
- [X] EP 0363121 A2 19900411 - ILLINOIS TOOL WORKS [US]
- [X] EP 0531678 A1 19930317 - VORHOF REINHOLD [DE]
- [XD] GB 2266337 A 19931027 - YATES LINCOLN [GB]

Cited by
EP2508095A1; FR2973659A1; US8914951B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1243192 A2 20020925; **EP 1243192 A3 20031210**; CN 1377617 A 20021106; HK 1048052 A1 20030321; JP 2002282016 A 20021002; KR 20020075302 A 20021004; US 2002133922 A1 20020926

DOCDB simple family (application)
EP 02006231 A 20020320; CN 02108276 A 20020325; HK 03100197 A 20030108; JP 2001084570 A 20010323; KR 20020015742 A 20020322; US 9832002 A 20020318