

Title (en)
SELF-CONTAINED BUTTON ATTACHMENT ASSEMBLY

Title (de)
AUTONOME ANORDNUNG FÜR KNOPFBEFESTIGUNG

Title (fr)
ENSEMBLE AUTONOME POUR LA FIXATION DE BOUTONS

Publication
EP 0790789 A4 19980114 (EN)

Application
EP 95938908 A 19951011

Priority
• US 9513835 W 19951011
• US 32153594 A 19941011

Abstract (en)
[origin: WO9610940A1] A self-contained button attachment assembly comprising a fastener dispensing tool (11) which includes a hollow, open-ended, unitary housing (19) generally cylindrical in shape. Four hollow, slotted needles (27-1 through 27-4) are fixedly mounted in the housing. Four ejector rods (35-1 through 35-4) are slidably mounted within the four needles, the four ejector rods being fixedly mounted at their respective top ends on a pusher plate (37) that is slidably mounted within the housing and is accessible through the open top end thereof. The assembly also comprises a conventional garment button (17) of the type having four transverse openings. The button is positioned and releasably retained within the housing by a circumferential lip (25). The assembly further comprises a pair of fasteners (15-1, 15-2), each fastener comprising a U-shaped flexible filament (43) and a pair of transverse feet (45-1, 45-2) which are disposed at opposite ends of the filament and extend perpendicularly to the plane of the filament.

IPC 1-7
A44B 1/18

IPC 8 full level
A41H 37/00 (2006.01); **A43D 100/08** (2006.01); **A44B 1/18** (2006.01); **D05B 97/10** (2006.01)

CPC (source: EP)
A41H 37/008 (2013.01); **A43D 100/08** (2013.01); **A44B 1/185** (2013.01); **D05B 97/10** (2013.01)

Citation (search report)
• [X] US 3440984 A 19690429 - HOFE EUGENE F
• [X] WO 9413167 A1 19940623 - AVERY DENNISON CORP [US], et al
• [X] DE 1805474 A1 19691218 - DENNISON MFG CO
• See references of WO 9610940A1

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

DOCDB simple family (publication)
WO 9610940 A1 19960418; AU 4011795 A 19960502; EP 0790789 A1 19970827; EP 0790789 A4 19980114; TW 342320 B 19981011

DOCDB simple family (application)
US 9513835 W 19951011; AU 4011795 A 19951011; EP 95938908 A 19951011; TW 84111842 A 19951108