

Title (en)  
BOBBIN INSERTING DEVICE

Publication  
**EP 0198517 A3 19880511 (EN)**

Application  
**EP 86107107 A 19840504**

Priority  
• EP 84105036 A 19840504  
• GB 8313994 A 19830520  
• GB 8333471 A 19831215

Abstract (en)  
[origin: EP0198517A2] An operating section of an automatic service tender is pivotable between at least two positions in one of which it is adapted for handling conical packages and in the other of which it is adapted for handling cylindrical packages.

IPC 1-7  
**B65H 67/04**; **B65H 54/34**; **D01H 1/38**

IPC 8 full level  
**B65H 67/04** (2006.01)

CPC (source: EP)  
**B65H 67/0417** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)  
• CH 199753 A 19380915 - SCHWEITER AG MASCHF [CH]  
• CH 223527 A 19420930 - HALSTENBACH & CO [DE]  
• GB 1411362 A 19751022 - TOYODA AUTOMATIC LOOM WORKS, et al  
• [X] FR 2101958 A5 19720331 - BARMAG BARMER MASCHF  
• [A] FR 2422746 A1 19791109 - STAHLLECKER FRITZ [DE]

Cited by  
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Designated contracting state (EPC)  
AT BE CH DE FR IT LI NL

DOCDB simple family (publication)  
**EP 0198517 A2 19861022**; **EP 0198517 A3 19880511**; **EP 0198517 B1 19901031**; **EP 0198517 B2 19940504**; AT E36142 T1 19880815;  
DE 3473138 D1 19880908

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**EP 86107107 A 19840504**; AT 84105036 T 19840504; DE 3473138 T 19840504