

Title (en)  
RELOADING DEVICE FOR BOBBINS

Publication  
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Application  
**EP 93117097 A 19931021**

Priority  
DE 4236720 A 19921030

Abstract (en)  
[origin: EP0595208A2] The present invention relates to a bobbin-reloading device (1) for drawing on and pushing off full bobbins (20) in which the bobbin push-off member or bobbin draw-on member (2) consists of a single grip (6) performing a pushing-off and a drawing-on function. The gripper (6) can in each case be activated by means of a pivoting movement and engages on the bobbins (20) in the region of the bobbin end faces (7).  
<IMAGE>

IPC 1-7  
**B65H 67/06**

IPC 8 full level  
**B65H 67/06** (2006.01)

CPC (source: EP KR)  
**B65H 67/0405** (2013.01 - KR); **B65H 67/065** (2013.01 - EP); **B65H 2701/31** (2013.01 - EP)

Citation (search report)

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DOCDB simple family (publication)  
**EP 0595208 A2 19940504**; **EP 0595208 A3 19951011**; CN 1031455 C 19960403; CN 1089917 A 19940727; KR 940009022 A 19940516; TW 224496 B 19940601

DOCDB simple family (application)  
**EP 93117097 A 19931021**; CN 93119657 A 19931029; KR 930021780 A 19931020; TW 82108903 A 19931026