

Title (en)  
Folding roller and folding device

Title (de)  
Falzwalze und Falzapparat

Title (fr)  
Rouleau de pliage et plieuse correspondante

Publication  
**EP 2039639 B1 20120516 (FR)**

Application  
**EP 08164704 A 20080919**

Priority  
FR 0757793 A 20070924

Abstract (en)  
[origin: EP2039639A1] The roller (8) has an axial section comprising a folding surface to fold a flat product i.e. signature (S). Another axial section has a folding surface to fold the signature and a main clearance (44) radially recessed with respect to the folding surfaces. The former axial section has an auxiliary clearance radially recessed with respect to the former folding surface. The main clearance overlaps a lateral part of a front edge of the signature when the signature is received by the roller.

IPC 8 full level  
**B65H 45/18** (2006.01); **B41F 13/62** (2006.01); **B65H 27/00** (2006.01); **B65H 45/12** (2006.01)

CPC (source: EP US)  
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**EP 08164704 A 20080919**; CN 200810176950 A 20080923; FR 0757793 A 20070924; JP 2008244657 A 20080924; US 28454308 A 20080923