

Title (en)  
Folding apparatus

Title (de)  
Falzapparat

Title (fr)  
Appareil de pliage

Publication  
**EP 0699612 B1 19991124 (DE)**

Application  
**EP 95108275 A 19950531**

Priority  
US 29772894 A 19940829

Abstract (en)  
[origin: US5490666A] A folder apparatus is disclosed which has at least one lead-in tape mechanism having a left lead-in tape and left exit roller and a corresponding right lead-in tape and right exit roller, the right and left lead-in tapes forming a signature passage for delivery of a stream of signatures. One of the exit rollers is spring-loaded in the direction of a fixed exit roller. The spring loading takes place with two springs acting opposite one another, the springs having different spring rates or moduli. This dual spring action reduces pounding caused by the signatures as they pass through the lead-in tapes.

IPC 1-7  
**B65H 45/28**; **B65H 29/12**; **B65H 29/40**

IPC 8 full level  
**B42C 1/00** (2006.01); **B65H 29/12** (2006.01); **B65H 29/58** (2006.01)

CPC (source: EP US)  
**B65H 29/12** (2013.01 - EP US); **B65H 29/58** (2013.01 - EP US); **B65H 2404/261** (2013.01 - EP US); **B65H 2404/2613** (2013.01 - EP US); **B65H 2701/1932** (2013.01 - EP US)

Cited by  
WO0000408A1

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CH DE FR GB IT LI

DOCDB simple family (publication)  
**US 5490666 A 19960213**; CA 2152708 A1 19960301; CA 2152708 C 19981006; DE 19519373 A1 19960307; DE 59507277 D1 19991230; EP 0699612 A2 19960306; EP 0699612 A3 19970129; EP 0699612 B1 19991124; JP H0872433 A 19960319

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**US 29772894 A 19940829**; CA 2152708 A 19950627; DE 19519373 A 19950526; DE 59507277 T 19950531; EP 95108275 A 19950531; JP 21760695 A 19950825