

Title (en)  
Sheet feeding machines.

Title (de)  
Blattfördermaschinen.

Title (fr)  
Machines pour l'alimentation en feuilles.

Publication  
**EP 0133818 A1 19850306 (EN)**

Application  
**EP 84305410 A 19840808**

Priority  
GB 8321518 A 19830810

Abstract (en)  
In sheet feeding apparatus including a detector for sensing multiple feeds, the sheets are fed between two rollers (4, 6) mounted on respective shafts (1,2) extending between side frame members (3). A transducer comprising two relatively movable parts (17,19;25,26-27) is arranged to detect the excessive movement of separation of the rollers when two or more sheets are fed together between them. According to the invention, one end of one roller-carrying shaft (1) is coupled to the corresponding side frame member (3) through a spring (14;24) which allows movement of this shaft end relative to its side frame member. One (19;25) of the two relatively movable transducer parts moves with the spring-mounted end of the shaft (1) and the other (17;26-27) of the relatively movable transducer parts is rigid with the side frame member (3).

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IPC 8 full level  
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CPC (source: EP)  
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Citation (search report)

- DD 86632 A
- DE 2636556 A1 19770428 - POLYGRAPH LEIPZIG
- DE 3200364 A1 19820722 - RICOH KK [JP]
- FR 2513607 A1 19830401 - DIEBOLD INC [US]
- US 3966197 A 19760629 - RIEDL RUDI, et al

Cited by  
CN112710239A; FR2629806A1; EP0337770A1; US5029845A; WO8600160A1

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