

Title (en)  
Friction feeder for paper sheets.

Title (de)  
Reibanleger für Papierblätter.

Title (fr)  
Dispositif de marge à friction pour des feuilles en papier.

Publication  
**EP 0535407 B1 19940713 (DE)**

Application  
**EP 92115317 A 19920908**

Priority  
DE 9111326 U 19910912

Abstract (en)  
[origin: US5244197A] The friction feeder for paper sheets is provided with a continuously rotating feed roller (2) arranged under a decollation plane and with an immobile decollating roller (4) arranged above it with parallel axis, forming an adjustable decollating gap. Continuously driven conveyor belts (14-17), whose delivery strands (14'-17') extend on both front sides of the feed roller (2) in the decollation plane are also provided. To achieve accurate starting and stopping of the decollation process, pre-decollating rollers (35, 36), which loosely lie on the delivery strands (14'-17') of the conveyor belts (14-17) in front of the decollating roller (4) in the delivery direction (arrow 7), and the pre-decollating rollers are mounted nonrotatably on a common, freely rotatable shaft (37), whose axis is parallel to the decollating roller (4), and the lowermost paper sheets of a sheet stack (23) located in front of the pre-decollating rollers are in contact with the pre-decollating rollers. These pre-decollating rollers (35, 36) can be lifted off from the delivery strands (14'-17') of the conveyor belts (14-17) by means of a lifting device (44-51) arranged under the decollation plane (1).

IPC 1-7  
**B65H 3/04**

IPC 8 full level  
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CPC (source: EP US)  
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Cited by  
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**US 5244197 A 19930914**; AT E108414 T1 19940715; DE 59200279 D1 19940818; DE 9111326 U1 19920102; EP 0535407 A1 19930407; EP 0535407 B1 19940713; JP H05208733 A 19930820

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**US 94376792 A 19920911**; AT 92115317 T 19920908; DE 59200279 T 19920908; DE 9111326 U 19910912; EP 92115317 A 19920908; JP 24320392 A 19920911