

Title (en)  
Multiple stage dispenser.

Title (de)  
Mehrfachausgabegerät für Karten.

Title (fr)  
Distributeur multiple pour des cartes.

Publication  
**EP 0343001 B1 19940112 (EN)**

Application  
**EP 89305087 A 19890519**

Priority  
US 19647788 A 19880520

Abstract (en)  
[origin: EP0343001A1] A method and apparatus (10) for delivering cards (62) or like paper stock fed singly from a stack (60) of the cards (62) to a demand location (18A) for dispensing in sequence, in which each card (62) is fed from the stack (60), is advanced through a plurality of stages (18A,18B,18C) of a conveyor (14), each stage (18A,18B,18C) being independently operable, each stage and all preceding stages and the stack feeder (12) being actuatable when no card (62) is present at that stage, the leading stage being also operable to deliver a card (62) on demand, the cards (62) being fed at a higher rate than the dispensing rate.

IPC 1-7  
**B65H 3/04**; B65H 1/06; B65H 7/14

IPC 8 full level  
**B65H 3/04** (2006.01); **B65H 5/02** (2006.01); **B65H 7/14** (2006.01)

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**B65H 3/042** (2013.01); **B65H 5/023** (2013.01); **B65H 7/14** (2013.01); **B65H 2404/261** (2013.01); **B65H 2511/51** (2013.01); **B65H 2511/515** (2013.01); **B65H 2513/512** (2013.01); **B65H 2515/60** (2013.01); **B65H 2553/41** (2013.01)

Cited by  
CN102502288A; CN103359503A; EP1184317A3

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 0343001 A1 19891123**; **EP 0343001 B1 19940112**; DE 68912197 D1 19940224; DE 68912197 T2 19940428

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