

Title (en)
INPUT HOPPER APPARATUS AND METHOD

Publication
EP 0279851 B1 19930519 (EN)

Application
EP 87906130 A 19870824

Priority
US 90405386 A 19860905

Abstract (en)
[origin: WO8801598A1] An input hopper (40) for receiving a stack of cards (44) and for individually feeding the cards to a transport path (59). The input hopper (40) includes an input hopper receptacle (42). A pick mechanism (60) is disposed proximate an end of the input hopper receptacle (42) for picking a card from the stack of cards (44) by use of a suction cup assembly (62). A transfer mechanism (70) is included for transferring the picked card to a card transfer path (59).

IPC 1-7
B65H 3/08

IPC 8 full level
B65H 3/08 (2006.01); **B65H 3/50** (2006.01); **B65H 3/54** (2006.01)

CPC (source: EP)
B65H 3/0808 (2013.01)

Citation (examination)
US 178777 A 18760613

Cited by
DE19710236B4; DE102010004425B3; DE202010001547U1

Designated contracting state (EPC)
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WO 8801598 A1 19880310; AT E89529 T1 19930615; CA 1286702 C 19910723; DE 3785924 D1 19930624; DE 3785924 T2 19930826; EP 0279851 A1 19880831; EP 0279851 A4 19890117; EP 0279851 B1 19930519; JP H01500823 A 19890323

DOCDB simple family (application)
US 8702123 W 19870824; AT 87906130 T 19870824; CA 543737 A 19870805; DE 3785924 T 19870824; EP 87906130 A 19870824; JP 50555187 A 19870824