

Title (en)  
IMPROVEMENTS RELATING TO THE HANDLING OF SHEET MATERIALS

Publication  
**EP 0281064 B1 19910529 (EN)**

Application  
**EP 88103046 A 19880301**

Priority  
GB 8704893 A 19870303

Abstract (en)  
[origin: EP0281064A1] The invention provides that a vacuum drum (10) with rows of vacuum ports (26) over its surface is used to transport self adhesive labels (16) from a first location at which the labels are applied (adhesive surface outwards) to the drum to a second location at which the labels are detached from the drum. The labels are held to the drum during the transport by applying vacuum to the ports until the label reaches the second location, when the first (26A) and second (26B) rows of ports at the leading edge (16A) of the label are applied with air under pressure, the pressure of the air supplied to the second row (26B) of ports being less than that supplied to the first row (26A) and slightly in advance in the time sequence, so that the edge (16A) of the label is slightly inwardly of the adjacent label extremity, initially lifted from the drum and then said extremity is blown sharply away from the drum providing effective, positive and reliable detachment of the labels from the drum.

IPC 1-7  
**B65C 9/28**

IPC 8 full level  
**B65C 9/18** (2006.01); **B65C 9/28** (2006.01)

CPC (source: EP)  
**B65C 9/1819** (2013.01); **B65C 9/28** (2013.01)

Cited by  
DE102017204595A1; DE102017204598A1; DE102017204596A1; DE102017204596B4; DE102018219715B3; DE102018219712A1; CN102556739A; CN104787415A; CN107985711A; DE102017204595B4; EP0377384A3; DE102015223106A1; DE102017204598B4; DE102007016426A1; EP1950140A3; US7461681B2; US6391132B1; WO9816904A3; WO0007883A3; WO2005005261A1; DE102022102642A1; WO2017089423A1; US10328590B2; DE102022104069A1; US6294038B1; DE102022100567A1; US6206071B1; DE102016223223A1; DE102016226167A1; DE102016226175A1; DE102016226175B4; US8007425B2; DE102018219712B4; WO2017089422A2; WO2017089421A2; US10442103B2; US10543674B2; JP2007518632A; KR101026229B1; DE102016223225A1; DE102022104070A1; DE102022104070B4

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**EP 0281064 A1 19880907; EP 0281064 B1 19910529; DE 3862953 D1 19910704; GB 8704893 D0 19870408**

DOCDB simple family (application)  
**EP 88103046 A 19880301; DE 3862953 T 19880301; GB 8704893 A 19870303**