

Title (en)

Suction transportation device and method for removing a sheet from a stack of sheets

Title (de)

Saugtransportvorrichtung und Verfahren zur Abnahme eines Bogens von einem Bogenstapel

Title (fr)

Dispositif de transport par aspiration et procédé de préhension d'une feuille dans une pile de feuilles

Publication

EP 2660171 A3 20160106 (DE)

Application

EP 13165256 A 20130425

Priority

DE 102012207320 A 20120503

Abstract (en)

[origin: EP2660171A2] The suction transport device (10) has circumferential suction devices (12,14) that are mounted transversely and horizontally adjustable along the sheet running direction (BL). The suction roll (22) is arranged between the suction devices. The suction devices are surrounded by endless tape (20). The suction devices and the suction roll are connected over suction line with low pressure device. An independent claim is included for method for extracting sheet from sheet stack.

IPC 8 full level

B65H 3/12 (2006.01)

CPC (source: EP US)

B65H 3/12 (2013.01 - US); **B65H 3/124** (2013.01 - US); **B65H 3/128** (2013.01 - EP US); **B65H 2404/2641** (2013.01 - EP US); **B65H 2406/334** (2013.01 - EP US); **B65H 2511/12** (2013.01 - EP US); **B65H 2511/22** (2013.01 - EP US); **B65H 2801/21** (2013.01 - EP US)

C-Set (source: EP US)

1. **B65H 2511/12** + **B65H 2220/01**
2. **B65H 2511/22** + **B65H 2220/04**

Citation (search report)

- [XAI] US 1637019 A 19270726 - ALBERT BROADMEYER
- [X] JP 2002060069 A 20020226 - FUJI YUATSU SEIKI KK
- [X] DE 102005059924 A1 20061228 - EASTMAN KODAK CO [US]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2660171 A2 20131106; EP 2660171 A3 20160106; CN 103420186 A 20131204; DE 102012207320 A1 20131107; DE 102012207320 B4 20131121; JP 2013234071 A 20131121; US 2013309058 A1 20131121; US 9126785 B2 20150908

DOCDB simple family (application)

EP 13165256 A 20130425; CN 201310296426 A 20130503; DE 102012207320 A 20120503; JP 2013096974 A 20130502; US 201313870392 A 20130425