

Title (en)  
Sheet conveying device

Title (de)  
Blattfördervorrichtung

Title (fr)  
Dispositif de transport de feuilles

Publication  
**EP 1905710 A3 20090909 (EN)**

Application  
**EP 07253771 A 20070924**

Priority  
JP 2006260067 A 20060926

Abstract (en)  
[origin: EP1905710A2] A sheet conveying device (3) includes a belt (8) having a plurality of throughholes (10), a fan (11) disposed so as to interpose a portion of the belt placed in a return run position (8b) between the fan and a portion of the belt placed in the forward run position (8a), and a case (12) that defines a chamber (20) with a portion of the belt placed in the forward run position. The fan (11) creates a negative pressure within the chamber (20) by drawing air through the throughholes of the endless belt, thereby removing dust and other unwanted particles and debris from the endless belt. In one or more examples, a brush (14) may also be included to provide further removal of unwanted dust and particles. Further, in one or more configurations, the sheet conveying device may also include belt rollers (6,7) and/or supporting members (9).

IPC 8 full level  
**B65H 5/22** (2006.01)

CPC (source: EP US)  
**B41J 11/007** (2013.01 - EP US); **B41J 11/0085** (2013.01 - EP US); **B65H 5/224** (2013.01 - EP US); **B65H 11/005** (2013.01 - EP US); **B65H 2301/531** (2013.01 - EP US); **B65H 2406/3124** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 1905710 A2 20080402; EP 1905710 A3 20090909; EP 1905710 B1 20150506**; CN 101152804 A 20080402; CN 101152804 B 20100602; JP 2008080526 A 20080410; US 2008073838 A1 20080327

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**EP 07253771 A 20070924**; CN 200710154391 A 20070926; JP 2006260067 A 20060926; US 85926807 A 20070921