

Title (en)  
DEVICE FOR OPTICALLY CONTROLLING A FACE OF A BLANK, BLANK TREATMENT MACHINE AND FOLDER-GLUER COMPRISING SAID DEVICE

Title (de)  
VORRICHTUNG ZUR OPTISCHEN INSPEKTION EINER SEITE EINES ROHLINGS, SOWIE MIT DER INSPEKTIONSVORRICHTUNG VERSEHENEN BEARBEITUNGSVORRICHTUNG FÜR ROHLING UND FALT-KLEBEVORRICHTUNG

Title (fr)  
DISPOSITIF DE CONTRÔLE OPTIQUE D'UNE FACE D'UNE DÉCOUPE, MACHINE DE TRAITEMENT DE DÉCOUPES ET PLIEUSE-COLLEUSE COMPRENANT LE DISPOSITIF.

Publication  
**EP 3221221 B1 20190320 (FR)**

Application  
**EP 15797861 A 20151110**

Priority  
• EP 14020088 A 20141119  
• EP 2015025078 W 20151110

Abstract (en)  
[origin: WO2016078776A1] A device (10) for optically controlling a face (13) of a blank (12), comprises a vacuum conveyor (20) capable of transporting the blank (12) along a path of travel (15) and comprising a conveyor belt (22) having an apertured structure of which the conveying path follows the path of travel (15) of the blank (12), and suction means (40) that are suitable for pressing the blank (12) against the conveyor belt (14), and inspection means (30) for inspecting the face (13) of the blank (12) during the transportation of same by the vacuum conveyor (20), located on the side opposite the vacuum conveyor (20). The suction means (40) delimit three separate successive suction sections (41, 42, 43) along the path of travel (15), including a central suction section (42) that extends opposite the inspection means (30), an upstream suction section (41) and a downstream suction section (43).

IPC 8 full level  
**B65B 43/12** (2006.01); **B31B 50/74** (2017.01); **B65B 43/14** (2006.01); **B65H 5/22** (2006.01); **B65H 29/24** (2006.01)

CPC (source: CN EP KR US)  
**B31B 50/006** (2017.08 - EP KR US); **B31B 50/07** (2017.08 - EP US); **B31B 50/74** (2017.08 - KR US); **B31B 70/006** (2017.08 - KR); **B65B 43/126** (2013.01 - CN EP KR US); **B65B 43/145** (2013.01 - CN EP KR US); **B65H 5/224** (2013.01 - EP KR US); **B65H 5/226** (2013.01 - US); **B65H 7/06** (2013.01 - US); **B65H 7/14** (2013.01 - EP KR US); **B31B 50/042** (2017.08 - EP US); **B31B 50/25** (2017.08 - EP US); **B31B 50/26** (2017.08 - EP US); **B31B 50/624** (2017.08 - EP US); **B31B 50/64** (2017.08 - EP US); **B31B 2120/302** (2017.08 - EP US); **B65H 2220/01** (2013.01 - US); **B65H 2220/03** (2013.01 - US); **B65H 2301/44734** (2013.01 - EP KR US); **B65H 2404/255** (2013.01 - EP KR US); **B65H 2406/323** (2013.01 - EP KR US); **B65H 2406/363** (2013.01 - EP KR US); **B65H 2511/413** (2013.01 - EP US); **B65H 2511/52** (2013.01 - EP US); **B65H 2553/42** (2013.01 - EP US); **B65H 2701/111** (2013.01 - EP US); **B65H 2701/1764** (2013.01 - EP US)

C-Set (source: EP US)  
1. **B65H 2301/44734 + B65H 2220/01 + B65H 2220/02**  
2. **B65H 2511/413 + B65H 2220/01**  
3. **B65H 2511/52 + B65H 2220/03**

Citation (opposition)  
Opponent : EyeC GmbH, 20095 Hamburg  
• DE 102009032966 A1 20110120 - GMG GRAFISCHE MASCHINEN GMBH [DE]  
• EP 2578521 A1 20130410 - BOBST MEX SA [CH]  
• DE 102011108018 A1 20120301 - HEIDELBERGER DRUCKMASCH AG [DE]  
• WO 0114235 A1 20010301 - KOENIG & BAUER AG [DE], et al  
• DE 69511300 T2 20000210 - DE LA RUE GIORI SA [CH]  
• EP 0888992 A2 19990107 - ROLAND MAN DRUCKMASCH [DE]  
• EP 2241523 A1 20101020 - SEIKO I INFOTECH INC [JP]  
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• DE 102011120993 A1 20120719 - HEIDELBERGER DRUCKMASCH AG [DE]

Cited by  
WO2024133368A1; WO2024133178A1

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

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**WO 2016078776 A1 20160526**; CN 107000866 A 20170801; CN 113103661 A 20210713; EP 3221221 A1 20170927; EP 3221221 B1 20190320; EP 3221221 B2 20240306; ES 2721780 T3 20190805; ES 2721780 T5 20240704; JP 2017536545 A 20171207; JP 6560350 B2 20190814; KR 102571872 B1 20230828; KR 20170087902 A 20170731; PL 3221221 T3 20190731; PL 3221221 T5 20241209; TR 201905630 T4 20190521; US 10647458 B2 20200512; US 2017320607 A1 20171109

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