

Title (en)
Eccentric suction wheel

Title (de)
Unrundes Saugrad

Title (fr)
Roue d'aspiration non ronde

Publication
EP 2602218 A3 20140730 (DE)

Application
EP 12191559 A 20121107

Priority
DE 102011120476 A 20111208

Abstract (en)
[origin: EP2602218A2] The wheel has a suction wheel body (20) rotatable about a rotation axis and comprising a circumferential surface (28) that is provided with a set of suction openings formed for attracting sheets by suction and for transporting the sheets. The suction wheel body is divided into multiple segments, where each segment comprises an attraction area (24) for attracting the sheets by suction, a retaining area (25) for retaining and conveying the sheets, and a release area (26) for releasing the sheet. The attraction area, the retaining area and the release area are formed different from each other. An independent claim is also included for a sheet feeder for a machine.

IPC 8 full level
B65H 3/10 (2006.01)

CPC (source: EP US)
B65H 3/10 (2013.01 - EP US); **B65H 2406/33** (2013.01 - EP US); **B65H 2406/332** (2013.01 - EP US); **B65H 2801/21** (2013.01 - EP US)

Citation (search report)

- [XAI] DE 10114064 A1 20020926 - HEIDELBERGER DRUCKMASCH AG [DE]
- [A] WO 2011083857 A1 20110714 - UNICHARM CORP [JP], et al
- [A] EP 0047937 A1 19820324 - TOKYO SHIBAURA ELECTRIC CO [JP]

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 2602218 A2 20130612; EP 2602218 A3 20140730; EP 2602218 B1 20190911; CN 103159052 A 20130619; CN 103159052 B 20170616; DE 102011120476 A1 20130613; JP 2013119484 A 20130617; JP 5972160 B2 20160817; PT 2602218 T 20191029; US 2013147109 A1 20130613; US 8657279 B2 20140225

DOCDB simple family (application)
EP 12191559 A 20121107; CN 201210524083 A 20121207; DE 102011120476 A 20111208; JP 2012269618 A 20121210; PT 12191559 T 20121107; US 201213709219 A 20121210