

Title (en)

Drain device for a dryer fabric cleaning head

Title (de)

Abflussvorrichtung für einen Trockensieb-Reinigungskopf

Title (fr)

Dispositif de purge pour une tête de nettoyage de toile de séchage

Publication

EP 2407253 A3 20121017 (DE)

Application

EP 11005676 A 20110712

Priority

DE 102010026831 A 20100712

Abstract (en)

[origin: EP2407253A2] The device (1) has a cylindrical air-water separation container (20) including an air outlet (27), a wastewater outlet (26) and an inlet opening (25) for receiving dirt particles and wastewater (74) from a cleaning head (50). The container is connected with the cleaning head by a pipe body so as to move the container together with the head transverse to a dryer screen (60). The body comprises a propellant inlet for accommodating a propellant, and is swingably connected to the cleaning head. The propellant inlet is placed in a direction that is not parallel to a central axis of the body. An independent claim is also included for a method for removing dirt particles and wastewater from a cleaning head for cleaning a dryer screen of a paper production plant.

IPC 8 full level

B08B 3/02 (2006.01); **B07B 1/55** (2006.01); **B08B 15/04** (2006.01); **D21F 1/32** (2006.01)

CPC (source: EP US)

A47L 7/0004 (2013.01 - US); **A47L 7/0009** (2013.01 - US); **A47L 9/1608** (2013.01 - US); **A47L 11/30** (2013.01 - US); **A47L 11/4016** (2013.01 - US); **A47L 11/4044** (2013.01 - US); **A47L 11/4097** (2013.01 - US); **B07B 1/55** (2013.01 - EP US); **B08B 3/024** (2013.01 - EP US); **B08B 15/04** (2013.01 - EP US); **D21F 1/325** (2013.01 - EP US); **D21F 7/00** (2013.01 - US); **B08B 2203/0229** (2013.01 - EP US)

Citation (search report)

- [X] US 6143092 A 20001107 - STRAUB KARLHEINZ [DE], et al
- [X] WO 9853136 A1 19981126 - EV GROUP OY [FI], et al
- [Y] US 5851358 A 19981222 - KADE WERNER [US]
- [Y] EP 1649942 A1 20060426 - SANKYO AQUA SYSTEM CO LTD [JP], et al
- [Y] US 2003178048 A1 20030925 - HONKALA TOMI [FI], et al
- [A] GB 1458294 A 19761215 - BELOIT CORP

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 2407253 A2 20120118; **EP 2407253 A3 20121017**; **EP 2407253 B1 20150909**; CN 102371257 A 20120314; CN 102371257 B 20151125; DE 102010026831 A1 20120112; DE 102010026831 B4 20210812; US 2012006357 A1 20120112; US 2016348312 A1 20161201; US 2017191219 A9 20170706; US 9044782 B2 20150602; US 9732471 B2 20170815

DOCDB simple family (application)

EP 11005676 A 20110712; CN 201110203470 A 20110712; DE 102010026831 A 20100712; US 201113180689 A 20110712; US 201514727322 A 20150601