

Title (en)

Papermaking screen apparatus

Title (de)

Siebvorrichtung für die Papierherstellung

Title (fr)

Appareil de tamisage pour la fabrication de papier

Publication

EP 2754749 A1 20140716 (EN)

Application

EP 14150389 A 20140107

Priority

- JP 2013002264 A 20130110
- JP 2013248797 A 20131202

Abstract (en)

A screen apparatus includes a tank receiving a papermaking raw material; a screen partitioning the tank into a primary chamber and a secondary chamber; a papermaking raw material supply passage for supplying a papermaking raw material to the tank; a foreign material discharge passage for discharges the papermaking raw material containing a foreign material that does not pass through the screen to the outside of the tank; a papermaking raw material discharge passage communicating with the secondary chamber, and discharging the papermaking raw material passing through the screen to the outside of the tank; a cylindrical rotor body rotatably provided inside the screen, and stirs the papermaking raw material in the primary chamber; and a stepped stirring member provided on the side surface except for both end surfaces of the rotor body. The stepped stirring member is formed at a falling gradient with respect to a papermaking raw material flow.

IPC 8 full level

D21D 5/02 (2006.01)

CPC (source: EP US)

D21D 5/026 (2013.01 - EP US); **D21D 5/16** (2013.01 - US)

Citation (applicant)

- JP 2005171449 A 20050630 - AIKAWA TEKKO
- JP 2008223151 A 20080925 - AIKAWA TEKKO

Citation (search report)

- [X] WO 2012084562 A1 20120628 - VOITH PATENT GMBH [DE], et al
- [X] WO 2008119880 A1 20081009 - ADVANCED FIBER TECH AFT TRUST [FI], et al
- [X] WO 9322494 A1 19931111 - AHLSTROEM OY [FI], et al
- [X] DE 20304303 U1 20040722 - VOITH PAPER PATENT GMBH [DE]
- [X] DE 102009007637 A1 20100812 - VOITH PATENT GMBH [DE]

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 2754749 A1 20140716; CA 2838518 A1 20140710; CA 2838518 C 20200922; CN 103924473 A 20140716; JP 2014148777 A 20140821; JP 6117683 B2 20170419; KR 101924348 B1 20181203; KR 20140090939 A 20140718; TW 201433673 A 20140901; US 2014190646 A1 20140710

DOCDB simple family (application)

EP 14150389 A 20140107; CA 2838518 A 20140108; CN 201410007668 A 20140108; JP 2013248797 A 20131202; KR 20140000035 A 20140102; TW 102148415 A 20131226; US 201314140246 A 20131224