

Title (en)

Device and method for cleaning conveyors and fabrics, in particular of paper machines

Title (de)

Vorrichtung und Verfahren zur Reinigung von Transportbändern und Geweben insbesondere bei Papiermaschinen

Title (fr)

Dispositif et procédé de nettoyage de convoyeurs et de toiles notamment utilisées dans une machine à papier

Publication

EP 1760191 A1 20070307 (DE)

Application

EP 05108022 A 20050901

Priority

EP 05108022 A 20050901

Abstract (en)

The device has a cleaning medium container (1), water, compressed air (3), valves, pipelines, cleaning central unit, pump, check valves, mixing points and pressure reducing unit to provide foam (16). The foam is applied on a circulating conveyor belt by a spray rod (14) through a set of openings (15). The spray rod has boreholes, and the sum of the cross sectional surfaces of the boreholes is smaller or equal to the cross sectional surface of the spray rod. Independent claims are also included for the following: (1) a method for cleaning a circulating conveyor belt of a paper machine (2) a method for retrofitting a cleaning system for cleaning a circulating conveyor belt of a paper machine.

IPC 8 full level

D21F 1/32 (2006.01); **D21F 1/34** (2006.01)

CPC (source: EP)

D21F 1/32 (2013.01); **D21F 1/345** (2013.01)

Citation (search report)

- [Y] DE 2231141 A1 19730111 - APPLIED CHEM PTY LTD
- [Y] US 6468397 B1 20021022 - CHUANG STRONG C [US]
- [A] DE 2509020 A1 19750911 - NORDISKA MASKINFILT AB

Cited by

CN104018385A; CN102514910A; CN103726385A

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 NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1760191 A1 20070307; **EP 1760191 B1 20080903**; AT E407257 T1 20080915; DE 502005005269 D1 20081016; PL 1760191 T3 20090227

DOCDB simple family (application)

EP 05108022 A 20050901; AT 05108022 T 20050901; DE 502005005269 T 20050901; PL 05108022 T 20050901