

Title (en)
APPLICATION UNIT

Title (de)
AUFTRAGSEINHEIT

Title (fr)
UNITÉ D'APPLICATION

Publication
EP 2613890 B1 20151118 (DE)

Application
EP 11767651 A 20110908

Priority
• DE 102010037401 A 20100908
• EP 2011065559 W 20110908

Abstract (en)
[origin: CA2810461A1] The present invention relates to an apparatus and a method for applying a liquid active substance to surfaces moving in a circulating manner, such as of cylinders (3), rolls, fabrics (4) or other moving webs, consisting of a metering unit and an application unit (1). The invention is distinguished by the fact that the active substance is conducted to the application unit (1) by means of the metering unit, and the application unit (1) has a pad (12, 60, 65, 96) with an open-pore mesh structure for receiving and storing the active substance and for applying the active substance as a film as a function of the degree of saturation and the contact pressure of the pad (12, 60, 65, 96) on the moving surface. Furthermore, the invention also comprises the use of the apparatus for keeping moving surfaces free from deposits, accumulations or contaminants.

IPC 8 full level
B05C 1/06 (2006.01); **D21G 3/00** (2006.01)

CPC (source: EP US)
B05C 1/06 (2013.01 - EP US); **B05C 17/002** (2013.01 - US); **D21F 1/32** (2013.01 - EP US); **D21G 3/00** (2013.01 - EP US);
B05C 1/003 (2013.01 - EP US); **B41F 35/00** (2013.01 - US)

Cited by
CN105908557A

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

DOCDB simple family (publication)
DE 102010037401 A1 20120308; AU 2011298763 A1 20130502; AU 2011298763 B2 20150611; BR 112013005498 A2 20200630;
BR 112013005498 B1 20210608; CA 2810461 A1 20120315; CA 2810461 C 20180116; CL 2013000663 A1 20141103;
CN 103180054 A 20130626; CN 103180054 B 20160824; CO 6690791 A2 20130617; EP 2613890 A1 20130717; EP 2613890 B1 20151118;
ES 2562184 T3 20160302; HU E026222 T2 20160530; JP 2013543426 A 20131205; JP 5913317 B2 20160427; KR 101783078 B1 20170928;
KR 20130108340 A 20131002; MX 2013002588 A 20131120; MX 358379 B 20180815; PL 2613890 T3 20160531; PT 2613890 E 20160317;
RU 2013112664 A 20141020; RU 2564816 C2 20151010; SI 2613890 T1 20160429; UA 110215 C2 20151210; US 10350630 B2 20190716;
US 2013224384 A1 20130829; US 2017144184 A1 20170525; US 9555435 B2 20170131; WO 2012032121 A1 20120315

DOCDB simple family (application)
DE 102010037401 A 20110908; AU 2011298763 A 20110908; BR 112013005498 A 20110908; CA 2810461 A 20110908;
CL 2013000663 A 20130308; CN 201180050483 A 20110908; CO 13089785 A 20130405; EP 11767651 A 20110908;
EP 2011065559 W 20110908; ES 11767651 T 20110908; HU E11767651 A 20110908; JP 2013527605 A 20110908;
KR 20137008751 A 20110908; MX 2013002588 A 20110908; PL 11767651 T 20110908; PT 11767651 T 20110908; RU 2013112664 A 20110908;
SI 201130736 T 20110908; UA A201303321 A 20110908; US 201113821639 A 20110908; US 201715396763 A 20170102