

Title (en)

METHOD AND DEVICE FOR MAINTENANCE AND PROTECTION OF A HYDRAULIC CONNECTION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR WARTUNG UND ZUM SCHUTZ EINER HYDRAULISCHEN VERBINDUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR LA MAINTENANCE ET LA PROTECTION D'UNE LIAISON HYDRAULIQUE

Publication

**EP 3085541 A1 20161026 (EN)**

Application

**EP 16163331 A 20160331**

Priority

- FR 1552875 A 20150402
- FR 1554355 A 20150513

Abstract (en)

The invention relates to a method of cleaning an ink circuit of an inkjet printer, comprising at least one reservoir (10), called the main reservoir, at least one ink cartridge (30), a first pump (31) to pump ink from the cartridge, first fluid connection means (346, 35, 33343, 344, 347) to transfer ink from the ink cartridge (30) to the reservoir (10), a second pump (20) to pump ink from said reservoir (10), second fluid connection means (37, 319, 320) to transfer ink to the ink cartridge, and control means (3), this method comprising at least: a) a step in which ink is transferred from the main reservoir (10) as far as the cartridge (30), through the second pump (20) and the second fluid connection means, b) a step to pump at least part of the ink transferred during step a) to the main reservoir (10).

IPC 8 full level

**B41J 2/18** (2006.01); **B41J 2/175** (2006.01); **B41J 2/185** (2006.01); **B41J 2/20** (2006.01)

CPC (source: EP)

**B41J 2/1707** (2013.01); **B41J 2/17546** (2013.01); **B41J 2/17566** (2013.01); **B41J 2/18** (2013.01); **B41J 2/185** (2013.01); **B41J 2002/17579** (2013.01)

Citation (search report)

- [IY] US 2013242005 A1 20130919 - IWATA YUJI [JP]
- [Y] US 2010079517 A1 20100401 - AKATSUKA YASUSHI [JP], et al
- [Y] FR 2954215 A1 20110624 - MARKEM IMAJE [FR]
- [Y] FR 2618728 A1 19890203 - RICARD CLAUDE [FR]
- [A] WO 02096654 A1 20021205 - 3M INNOVATIVE PROPERTIES CO [US], et al

Cited by

CN116100955A; CN109649013A; EP4023444A1; EP4023445A1

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 3085541 A1 20161026; EP 3085541 B1 20180912**

DOCDB simple family (application)

**EP 16163331 A 20160331**