

Title (en)

INKJET PRINTER FOR LABELLING GOODS HAVING A WRITING HEAD AND HAVING A STORAGE VESSEL

Title (de)

TINTENSTRAHLDRUCKER FÜR DIE BESCHRIFTUNG VON WAREN MIT EINEM SCHREIB-KOPF UND MIT EINEM VORRATSBEHÄLTER

Title (fr)

IMPRIMANTE À JET D'ENCRE SERVANT À APPOSER UNE INSCRIPTION SUR DES ARTICLES ET MUNIE D'UNE TÊTE D'ÉCRITURE ET D'UN RÉSERVOIR

Publication

**EP 3439889 A1 20190213 (DE)**

Application

**EP 17716832 A 20170406**

Priority

- DE 102016106259 A 20160406
- EP 2017058221 W 20170406

Abstract (en)

[origin: WO2017174708A1] The inkjet printer for labelling goods has a writing head (20) which has a at least one outlet opening (26) for ink droplets, b a printing unit (78) which is connected to said outlet opening, c a compressed air pump (70) and d an electric controller (32). It has at least one storage vessel (40) for liquid which flows through the outlet opening. The storage vessel is connected releasably to the writing head in a coupling region. A first pressure sensor (80) is arranged on the compressed air line (76) in the writing head, which first pressure sensor (80) detects the air pressure in the compressed air line and outputs an air pressure signal to the controller (32). A second pressure sensor is arranged on the ink line, which second pressure sensor detects the pressure in the ink line and outputs an ink pressure signal to the controller. The latter outputs an "Ink empty" signal if the ink pressure signal drops by more than 10% with respect to the air pressure signal.

IPC 8 full level

**B41J 2/175** (2006.01); **B41J 3/36** (2006.01)

CPC (source: EA EP KR US)

**B41J 2/175** (2013.01 - EA EP US); **B41J 2/17556** (2013.01 - EA EP KR US); **B41J 2/17566** (2013.01 - EA EP KR US); **B41J 3/36** (2013.01 - EA EP KR US); **B41J 3/4075** (2013.01 - EA US)

Citation (search report)

See references of WO 2017174708A1

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)

**WO 2017174708 A1 20171012**; CA 3017045 A1 20171012; CN 109070602 A 20181221; CN 109070602 B 20201023; EA 034632 B1 20200228; EA 201891892 A1 20190228; EP 3439889 A1 20190213; IL 262113 A 20181129; JP 2019513599 A 20190530; KR 20180126498 A 20181127; MX 2018011572 A 20190617; US 10525732 B2 20200107; US 2019111707 A1 20190418

DOCDB simple family (application)

**EP 2017058221 W 20170406**; CA 3017045 A 20170406; CN 201780022356 A 20170406; EA 201891892 A 20170406; EP 17716832 A 20170406; IL 26211318 A 20181003; JP 2019503768 A 20170406; KR 20187028586 A 20170406; MX 2018011572 A 20170406; US 201716092000 A 20170406