

Title (en)

INK FILLING DEVICE FOR AN INK PRINT HEAD AND INK PRINT HEAD WHICH CAN BE FILLED THEREWITH

Title (de)

TINTENFÜLLEINRICHTUNG FÜR EINEN TINTENDRUCKKOPF UND MIT DIESER BEFÜLLBARER TINTENDRUCKKOPF

Title (fr)

DISPOSITIF DE REMPLISSAGE AVEC DE L'ENCRE, POUR UNE TETE D'IMPRESSION A ENCRE, ET TETE D'IMPRESSION A ENCRE POUVANT ETRE AINSI REMPLIE

Publication

**EP 1019252 A1 20000719 (DE)**

Application

**EP 98931892 A 19980409**

Priority

- DE 9801027 W 19980409
- DE 19731959 A 19970724

Abstract (en)

[origin: DE19731959A1] The invention relates to an ink filling device (23) for an ink print head (12) and to an ink print head which can be filled therewith. The ink filling device has an ink reservoir and a discharge opening (36). The ink print head has an ink chamber with a feed opening for ink and can be filled when it is installed in an ink printer. The discharge opening (36) is arranged in a hollow body (24) with variable volume which removes ink from an ink reservoir (28) when the volume is increased and which discharges ink via the discharge opening (36) when the volume is decreased.

IPC 1-7

**B41J 2/175**

IPC 8 full level

**B41J 2/175** (2006.01)

CPC (source: EP US)

**B41J 2/17509** (2013.01 - EP US); **B41J 2/17556** (2013.01 - EP US); **B41J 2/17566** (2013.01 - EP US)

Citation (search report)

See references of WO 9904977A1

Designated contracting state (EPC)

CH DE ES FR GB IT LI

DOCDB simple family (publication)

**DE 19731959 A1 19990204**; DE 59801663 D1 20011108; EP 1019252 A1 20000719; EP 1019252 B1 20011004; ES 2165686 T3 20020316; JP 2001510751 A 20010807; US 6199975 B1 20010313; WO 9904975 A2 19990204; WO 9904975 A3 19990422; WO 9904977 A1 19990204

DOCDB simple family (application)

**DE 19731959 A 19970724**; DE 59801663 T 19980409; DE 9801027 W 19980409; DE 9802082 W 19980723; EP 98931892 A 19980409; ES 98931892 T 19980409; JP 2000504002 A 19980409; US 46311400 A 20000119