

Title (en)

Method of ink suction in ink jet printer

Title (de)

Tintenabsaugungsverfahren für einen Tintenstrahldrucker

Title (fr)

Méthode d'aspiration d'encre pour une imprimante à jet d'encre

Publication

EP 0732210 A3 19990107 (EN)

Application

EP 96301187 A 19960222

Priority

KR 19950005257 A 19950314

Abstract (en)

[origin: EP0732210A2] A method of adjusting an ink suction amount in an ink jet printer includes the steps of: determining an ink suction amount according to a printing state; and sucking the ink from a head according to the determination. Therefore, since the ink is sucked by moving the piston as much as a predetermined distance according to the clogging state of the nozzle, unnecessary consumption of the ink can be prevented. Simultaneously, since the piston only moves to the predetermined position, a suction time can also be curtailed. Thus, the ink cartridge life can be extended, and work efficiency can be improved as a recovery time to a normal state from the clogged state is reduced. <IMAGE>

IPC 1-7

B41J 2/165

IPC 8 full level

B41J 2/305 (2006.01); **B41J 2/165** (2006.01)

CPC (source: EP KR)

B41J 2/16532 (2013.01 - EP); **B41J 2/16585** (2013.01 - KR); **B41J 2/16579** (2013.01 - KR)

Citation (search report)

- [A] EP 0592006 A1 19940413 - CANON KK [JP]
- [A] US 5389961 A 19950214 - TAKAGI SEIICHI [JP]
- [A] US 5386222 A 19950131 - IWATA KAZUYA [JP]
- [AD] US 5296876 A 19940322 - YAMAGUCHI SHUICHI [JP], et al

Cited by

JP2017081118A; US11872819B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0732210 A2 19960918; **EP 0732210 A3 19990107**; CN 1105021 C 20030409; CN 1138528 A 19961225; KR 0132809 B1 19980414; KR 960033767 A 19961022

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