

Title (en)

Swinging refuse sheet of ink for the printing head of an ink writing device.

Title (de)

Schwenkbare Tintenabweisblende für den Schreibkopf einer Tintenschreibeinrichtung.

Title (fr)

Plaque pivotante pour retenir l'encre pour la tête imprimante dans un appareil à écrire à encre.

Publication

**EP 0041706 A2 19811216 (DE)**

Application

**EP 81104326 A 19810604**

Priority

DE 3021913 A 19800611

Abstract (en)

[origin: US4371881A] A pivotable ink shield is provided for cooperation with the writing head of an ink recording device whereby the shield is movable relative to writing head ink dispensing openings to shield, wipe, and permit flushing of the writing head outlets. The shield element is pivotally connected to a pivotally movable carriage bracket. The carriage bracket is connected with a latch mechanism operated by an electromagnet which enables the carriage bracket to be released under the bias of a resilient force removing the shield between an operating position, permitting ink jet printing on a recording medium, and a blocking position, for plugging the outlet openings of the writing head. The shield element is provided with a resilient wiper element and a closure plate portion such that the outlet openings are first wiped by the wiper element and then closed with the plate as the shield is brought into its blocking position. To clear the outlet openings of dirt, the shield element is separately pivotable relative to the carriage bracket into a flushing position which removes the closure plate portion from the outlet openings, allowing pressure burst cleaning of the writing head outlets.

Abstract (de)

Die schwenkbare Tintenabweisblende für den Schreibkopf (8) einer Tintenschreibeinrichtung weist eine Antriebsvorrichtung (9, 10) auf, die in einer Ruhestellung die Austrittsöffnungen des Tintenschreibkopfes über eine Abdeckplatte (2) abdeckt und in einer Betriebsstellung freigibt. Im Bereich der Abdeckplatte (2) ist ein Wischelement (3) derart angeordnet, daß bei Betätigen der Tintenabweisblende das Wischelement (3) den Austrittsbereich des Schreibkopfes überstreicht. Die Abdeckplatte (2) und das Wischelement (3) sind auf einem bedarfsweise gesondert abschwenkbaren und damit die Austrittsöffnungen des Schreibkopfes zu Spülzwecken freigebenden Teil (1) der Tintenabweisblende angeordnet.

IPC 1-7

**B41J 3/04**

IPC 8 full level

**B41J 2/165** (2006.01)

CPC (source: EP US)

**B41J 2/16505** (2013.01 - EP US)

Cited by

EP1827839A4; EP1782954A1; EP0087759A3; EP1782955A1; EP0335699A3; EP0749837A1; US5289213A; CN117261438A; US7878618B2; WO2006060844A1; US7984962B2; US7645021B2; US7708376B2; US8100503B2

Designated contracting state (EPC)

CH FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0041706 A2 19811216; EP 0041706 A3 19820714**; DE 3021913 A1 19811217; JP S5731577 A 19820220; US 4371881 A 19830201

DOCDB simple family (application)

**EP 81104326 A 19810604**; DE 3021913 A 19800611; JP 9018981 A 19810611; US 26956881 A 19810602