

Title (en)

PRINTING APPARATUS FOR CONTROLLING THE PRINTING HEAD OF A PRINTING CARTRIDGE

Title (de)

DRUCKVORRICHTUNG ZUR ANSTEUERUNG DES DRUCKKOPFES EINER DRUCKERPATRONE

Title (fr)

DISPOSITIF D'IMPRESSION DESTINE A LA COMMANDE DE LA TETE D'IMPRESSION D'UNE CARTOUCHE D'IMPRESSION

Publication

EP 1910087 A1 20080416 (DE)

Application

EP 06761748 A 20060630

Priority

- DE 2006001146 W 20060630
- DE 102005030778 A 20050701

Abstract (en)

[origin: WO2007003174A1] The invention relates to a printing system for controlling the printing head of a conventional printing cartridge designed for water-based printing ink. Said printing head comprises ink discharging elements arranged in a matrix, and the actuatable heating element of an ink discharging element is activated by means of an address signal operating as a line signal and by means of a starting signal operating as a column signal. The starting pulses of the starting signal (SS2) have a lower signal amplitude than the address pulses of the address signal (ASI) and the printing ink in the printing cartridge (5) has a high alcohol content.

IPC 8 full level

B41J 3/413 (2006.01); **B41J 2/045** (2006.01); **B41J 2/05** (2006.01); **B41J 3/407** (2006.01)

CPC (source: EP US)

B41J 2/04541 (2013.01 - EP US); **B41J 2/04543** (2013.01 - EP US); **B41J 2/0458** (2013.01 - EP US); **B41J 2/04588** (2013.01 - EP US); **B41J 2/04591** (2013.01 - EP US)

Citation (search report)

See references of WO 2007003174A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007003174 A1 20070111; AT E471821 T1 20100715; DE 502006007269 D1 20100805; EP 1910087 A1 20080416; EP 1910087 B1 20100623; ES 2350421 T3 20110121; JP 2008544880 A 20081211; JP 4987863 B2 20120725; PT 1910087 E 20100924; US 2008198190 A1 20080821; US 7794033 B2 20100914

DOCDB simple family (application)

DE 2006001146 W 20060630; AT 06761748 T 20060630; DE 502006007269 T 20060630; EP 06761748 A 20060630; ES 06761748 T 20060630; JP 2008518621 A 20060630; PT 06761748 T 20060630; US 91785806 A 20060630