

Title (en)

Infrared foil heater for drying ink jet images on a recording medium

Title (de)

Infrarotfolienheizung zum Trocknen von Tintenstrahlabbildungen auf einem Aufzeichnungsträger

Title (fr)

Feuille infrarouge chauffante pour sécher des images jet d'encre sur un support d'enregistrement

Publication

EP 0997301 A3 20000712 (EN)

Application

EP 99308175 A 19991018

Priority

US 18278898 A 19981030

Abstract (en)

[origin: EP0997301A2] A heater (50) is disposed in a post-print location of an ink printer (10) to provide a post-print drying of an ink image formed on a recording medium (16). The heater (50) includes a foil circuit (52) made of a material which, when receiving an applied power from a power source (56), emits radiation in the infrared range. The heater (50) is located above the paper path and presents a rapid uniform application of IR radiation to predetermined areas of the recorded image resulting in fast, efficient drying of the image and enabling a high productivity printer. <IMAGE>

IPC 1-7

B41J 11/00

IPC 8 full level

B41F 23/04 (2006.01); **B41J 2/01** (2006.01); **B41J 11/00** (2006.01); **B41J 29/00** (2006.01)

CPC (source: EP US)

B41J 11/00216 (2021.01 - EP US)

Citation (search report)

- [X] WO 9105666 A1 19910502 - SIEMENS AG [DE]
- [A] EP 0284215 A1 19880928 - HEWLETT PACKARD CO [US]
- [A] US 4602238 A 19860722 - FURTEK EDWARD J [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 065 (M - 1554) 3 February 1994 (1994-02-03)

Cited by

US7612125B2; ITBS20100117A1; EP1457350A3; DE10347034A1; DE10347034B4; US8646899B2; US7147317B2; US11040552B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0997301 A2 20000503; **EP 0997301 A3 20000712**; BR 9905337 A 20000905; JP 2000135785 A 20000516

DOCDB simple family (application)

EP 99308175 A 19991018; BR 9905337 A 19991029; JP 30312099 A 19991025