

Title (en)  
System for supplying a printing apparatus

Title (de)  
Versorgungssystem für Druckvorrichtung

Title (fr)  
Système d'alimentation pour appareil d'impression

Publication  
**EP 1491344 A3 20080326 (EN)**

Application  
**EP 04076854 A 20040625**

Priority  
IT MI20031305 A 20030626

Abstract (en)  
[origin: EP1491344A2] A system for supplying a printing apparatus comprising a primary hydraulic circuit (2) that allows ink to flow from a supply reservoir (21) with a substantially constant pressure and a secondary hydraulic circuit (3), positioned between said primary circuit and a printhead (4). The secondary circuit comprises a regulation electrovalve (31), a second pressure sensor (32), an electronic regulation circuit (33) and a hydraulic pumping device (34).  
[origin: EP1491344A2] The system has a primary hydraulic circuit (2) with a supply reservoir (21) of ink from which ink is supplied at a constant pressure. A secondary hydraulic circuit (3) has a pressure sensor (32) to sense ink pressure. A regulation electrovalve (31) of the circuit (3) is opened to maintain a depression in ink supply ducts of printing nozzles to an optimal value when ink drops from the nozzles.

IPC 8 full level  
**B41J 2/175** (2006.01)

CPC (source: EP)  
**B41J 2/175** (2013.01)

Citation (search report)  
• [X] US 6428156 B1 20020806 - WALLER DAVID J [US], et al  
• [A] EP 1219436 A1 20020703 - HEWLETT PACKARD CO [US]

Cited by  
EP2361771A3; US8567895B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL HR LT LV MK

DOCDB simple family (publication)  
**EP 1491344 A2 20041229; EP 1491344 A3 20080326**; IT MI20031305 A0 20030626; IT MI20031305 A1 20041227

DOCDB simple family (application)  
**EP 04076854 A 20040625**; IT MI20031305 A 20030626