

Title (en)

IMPULSE FLUID JET APPARATUS WITH DEPRIMING PROTECTION

Title (de)

IMPULSTINTENSTRAHLGERÄT MIT UNTERDRUCKSCHUTZ

Title (fr)

APPAREIL A JET DE FLUIDE A IMPULSION AVEC PROTECTION CONTRE LA DEPRESSION

Publication

**EP 0970350 A1 20000112 (EN)**

Application

**EP 98911836 A 19980320**

Priority

- US 9805420 W 19980320
- US 82875897 A 19970325

Abstract (en)

[origin: WO9843050A1] An impulse ink jet print head (10) including a compliant chamber (49) coupled between an ink supply (72) and an ink chamber (48). The print head also includes a check valve (32). The compliant chamber (49) attenuates pressure disturbances of short duration. The check valve (32) prevents the reverse flow of ink.

IPC 1-7

**G01D 15/18**

IPC 8 full level

**B41J 2/055** (2006.01); **B41J 2/14** (2006.01); **B41J 2/175** (2006.01); **G01D 15/18** (2006.01)

CPC (source: EP)

**B41J 2/055** (2013.01); **B41J 2/14** (2013.01); **B41J 2/175** (2013.01); **B41J 2/17509** (2013.01)

Cited by

CN107548360A; US10967646B2

Designated contracting state (EPC)

CH DE ES FI FR GB IE IT LI NL SE

DOCDB simple family (publication)

**WO 9843050 A1 19981001**; AU 6570098 A 19981020; AU 741027 B2 20011122; CA 2283666 A1 19981001; CA 2283666 C 20060815; DE 69830481 D1 20050714; DE 69830481 T2 20051103; EP 0970350 A1 20000112; EP 0970350 A4 20010307; EP 0970350 B1 20050608; ES 2242998 T3 20051116; IL 131910 A0 20010319; JP 2001519039 A 20011016; NO 994644 D0 19990924; NO 994644 L 19990924

DOCDB simple family (application)

**US 9805420 W 19980320**; AU 6570098 A 19980320; CA 2283666 A 19980320; DE 69830481 T 19980320; EP 98911836 A 19980320; ES 98911836 T 19980320; IL 13191098 A 19980320; JP 54580798 A 19980320; NO 994644 A 19990924