

Title (en)  
LIQUID JET WRITING TOOL

Title (de)  
FLÜSSIGKEITSSTRAHLSCHREIBGERÄT

Title (fr)  
INSTRUMENT D'ECRITURE A JET DE LIQUIDE

Publication  
**EP 1713646 B1 20100414 (FR)**

Application  
**EP 04816400 A 20041216**

Priority  
• FR 2004003260 W 20041216  
• FR 0315080 A 20031219

Abstract (en)  
[origin: FR2863938A1] The instrument has a control unit (12) to control a distance between a spraying head (41) and a support (8). A processing unit (6) controls activation of an ink spraying system (4) when the control unit finds that the distance is appropriate and when an accelerometer detects a movement of a tubular unit (2). The unit (6) varies frequency and/or amplitude of electrical signals controlling the activation based on the movement.

IPC 8 full level  
**B43K 8/00** (2006.01); **B43K 8/22** (2006.01); **B43K 29/00** (2006.01); **B43K 29/08** (2006.01); **B43L 19/00** (2006.01); **B43M 11/06** (2006.01)

CPC (source: EP US)  
**B43K 8/006** (2013.01 - EP US); **B43K 8/22** (2013.01 - EP US); **B43K 29/004** (2013.01 - EP US); **B43K 29/005** (2013.01 - EP US); **B43K 29/08** (2013.01 - EP US); **B43L 19/0018** (2013.01 - EP US); **B43L 19/0068** (2013.01 - EP US); **B43M 11/06** (2013.01 - EP US)

Designated contracting state (EPC)  
DE ES FR GB

DOCDB simple family (publication)  
**FR 2863938 A1 20050624; FR 2863938 B1 20060303**; AU 2004305273 A1 20050707; AU 2004305273 B2 20100930; BR PI0417693 A 20070403; CA 2549858 A1 20050707; CA 2549858 C 20120731; CN 100473542 C 20090401; CN 1890113 A 20070103; DE 602004026641 D1 20100527; EP 1713646 A1 20061025; EP 1713646 B1 20100414; ES 2340856 T3 20100610; JP 2007515316 A 20070614; JP 4762910 B2 20110831; MX PA06006939 A 20060823; US 2005206690 A1 20050922; US 7393098 B2 20080701; WO 2005061245 A1 20050707

DOCDB simple family (application)  
**FR 0315080 A 20031219**; AU 2004305273 A 20041216; BR PI0417693 A 20041216; CA 2549858 A 20041216; CN 200480036494 A 20041216; DE 602004026641 T 20041216; EP 04816400 A 20041216; ES 04816400 T 20041216; FR 2004003260 W 20041216; JP 2006544497 A 20041216; MX PA06006939 A 20041216; US 1528704 A 20041216