

Title (en)
LIQUID JET WRITING INSTRUMENT

Title (de)
FLÜSSIGKEITSSTRAHLSCHREIBGERÄT

Title (fr)
INSTRUMENT D ECRITURE A JET DE LIQUIDE

Publication
EP 1697147 B1 20080507 (FR)

Application
EP 04816398 A 20041216

Priority
• FR 2004003258 W 20041216
• FR 0315081 A 20031219

Abstract (en)
[origin: FR2863939A1] The instrument has a detection unit (18) to detect holding of a tubular unit (2) by a user. A processing unit (6) controls activation of an ink spraying system (4) when a measurement unit (12) determines that a distance between a spraying head (41) and a support (8) is less than a preset maximal value and when the detection unit detects that the user is holding the tubular unit.

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 2863939 A1 20050624; **FR 2863939 B1 20060303**; AU 2004305272 A1 20050707; AU 2004305272 B2 20100603;
BR PI0417608 A 20070410; CA 2549857 A1 20050707; CN 100471692 C 20090325; CN 1890112 A 20070103; DE 602004013630 D1 20080619;
EP 1697147 A1 20060906; EP 1697147 B1 20080507; ES 2307072 T3 20081116; JP 2007514574 A 20070607; JP 4658069 B2 20110323;
MX PA06006938 A 20060823; US 2005206628 A1 20050922; US 7322662 B2 20080129; WO 2005061244 A1 20050707

DOCDB simple family (application)
FR 0315081 A 20031219; AU 2004305272 A 20041216; BR PI0417608 A 20041216; CA 2549857 A 20041216; CN 200480035976 A 20041216;
DE 602004013630 T 20041216; EP 04816398 A 20041216; ES 04816398 T 20041216; FR 2004003258 W 20041216;
JP 2006544496 A 20041216; MX PA06006938 A 20041216; US 1528604 A 20041216