

Title (en)
METHOD FOR OPENING A CLOGGED NOZZLE

Title (de)
VERFAHREN ZUM ÖFFNEN EINER VERSTOPFTEN DÜSE

Title (fr)
PROCÉDÉ D'OUVERTURE D'UNE BUSE OBSTRUÉE

Publication
EP 3403829 A1 20181121 (EN)

Application
EP 18172746 A 20180516

Priority
EP 17171782 A 20170518

Abstract (en)
A method is disclosed for actuating a print element in a print head comprising an array of print elements, a print element comprising a liquid, a nozzle, from which a drop of liquid is separable and a piezo-electric transducer for both converting an electric signal into an acoustic wave in the liquid and for converting an acoustic wave in the liquid into an electric signal to determine a status of the print element. The method comprises the steps of: tracing a print element that does not generate a drop of liquid, despite being controlled to do so, and actuating said print element with an electric signal that is adapted to an acoustic characteristic of the print element to deliver acoustic energy in the nozzle.

IPC 8 full level
B41J 2/045 (2006.01); **B41J 2/165** (2006.01)

CPC (source: EP)
B41J 2/0451 (2013.01); **B41J 2/04581** (2013.01); **B41J 2/16526** (2013.01); **B41J 2/16579** (2013.01); **B41J 2002/1657** (2013.01); **B41J 2002/16573** (2013.01)

Citation (search report)

- [XY] US 2015343763 A1 20151203 - ZHANG JUNHUA [JP]
- [Y] WO 2016113232 A1 20160721 - OCE TECH BV [NL]
- [A] US 2012206532 A1 20120816 - KIM BYUNG HUN [KR], et al
- [A] WO 2016066728 A1 20160506 - OCE TECH BV [NL]
- [A] EP 1688261 A1 20060809 - OCE TECH BV [NL]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3403829 A1 20181121

DOCDB simple family (application)
EP 18172746 A 20180516