

Title (en)
printhead integrated circuit

Title (de)
Integrierte Schaltung für einen Druckkopf

Title (fr)
Circuit intégré pour tête d'impression

Publication
EP 2527152 A1 20121128 (EN)

Application
EP 12174685 A 20070615

Priority
• EP 12174685 A 20070615
• EP 07870177 A 20070615
• AU 2007000846 W 20070615

Abstract (en)
A printhead integrated circuit comprises a substrate (1) having a plurality of inkjet nozzles assemblies (100) formed on a surface of the substrate. The substrate has drive circuitry for supplying power to the nozzle assemblies. Each nozzle assembly comprises: nozzle chamber (5) for containing ink, the nozzle chamber having a nozzle opening defined therein (13) and a wall of insulating material (4) defining a sidewall of the nozzle chamber; an actuator (10) for ejecting ink through the nozzle opening; a pair of electrodes (2) positioned at the surface of the substrate; and a pair of connector posts (8) electrically connecting a respective electrode (2) to the actuator (10). Each connector post extends linearly from a respective electrode (2) to the actuator (10), and each connector post fills a via defined in the sidewall (4) of the nozzle chamber (5).

IPC 8 full level
B41J 2/16 (2006.01)

CPC (source: EP KR)
B41J 2/16 (2013.01 - KR); **B41J 2/1628** (2013.01 - EP); **B41J 2/1631** (2013.01 - EP); **B41J 2/1635** (2013.01 - EP); **B41J 2/1642** (2013.01 - EP); **B41J 2/1643** (2013.01 - EP); **B41J 2/1645** (2013.01 - EP); **B41J 2/1648** (2013.01 - EP); **B41J 2002/14435** (2013.01 - EP); **B41J 2202/18** (2013.01 - EP)

Citation (applicant)
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• US 6260953 B1 20010717 - SILVERBROOK KIA [AU], et al
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Citation (search report)
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• [A] US 2004100523 A1 20040527 - SILVERBROOK KIA [AU], et al

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

DOCDB simple family (publication)
WO 2008151351 A1 20081218; CA 2688245 A1 20081218; CA 2688245 C 20121218; EP 2160296 A1 20100310; EP 2160296 A4 20100908; EP 2160296 B1 20120815; EP 2527152 A1 20121128; EP 2527152 B1 20131211; KR 101064043 B1 20110908; KR 20100029187 A 20100316; TW 200848270 A 20081216; TW 200848271 A 20081216; TW I406772 B 20130901; TW I409175 B 20130921

DOCDB simple family (application)
AU 2007000846 W 20070615; CA 2688245 A 20070615; EP 07870177 A 20070615; EP 12174685 A 20070615; KR 20097025354 A 20070615; TW 96137838 A 20071009; TW 96137839 A 20071009