

Title (en)  
SYMMETRIC NOZZLE ARRANGEMENT

Title (de)  
SYMMETRISCHE DÜSENANORDNUNG

Title (fr)  
AGENCEMENT SYMÉTRIQUE DE BUSES

Publication  
**EP 1824683 A4 20100106 (EN)**

Application  
**EP 04761161 A 20040823**

Priority  
AU 2004001124 W 20040823

Abstract (en)  
[origin: WO2006021018A1] A printhead module comprising at least first and second rows of print nozzles that extend along at least part of a pagewidth to be printed, each nozzle including first circuitry of a first type and second circuitry of a second type, such that, in plan view, the first and second circuitry are generally located at opposite ends of the nozzle, wherein the nozzles are orientated such that the respective positions of the first and second circuitry of each nozzle of the first row are mirrored or rotated relative to the respective positions of the first and second circuitry of corresponding nozzles in the second row.

IPC 8 full level  
**B41J 2/14** (2006.01)

CPC (source: EP)  
**B41J 2/14** (2013.01); **B41J 2/14072** (2013.01)

Citation (search report)

- [X] US 2004160479 A1 20040819 - HUANG TSUNG-WEI [TW], et al
- [X] US 4999650 A 19910312 - BRAUN HILARION [US]
- [A] US 2003174189 A1 20030918 - WANG CHIEH-WEN [TW], et al
- [A] EP 1172212 A2 20020116 - SAMSUNG ELECTRONICS CO LTD [KR]
- See references of WO 2006021018A1

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

DOCDB simple family (publication)  
**WO 2006021018 A1 20060302**; AU 2004322632 A1 20060302; AU 2004322632 B2 20080717; CA 2577338 A1 20060302; CA 2577338 C 20101214; CN 101005951 A 20070725; CN 101005951 B 20100526; EP 1824683 A1 20070829; EP 1824683 A4 20100106; JP 2008510635 A 20080410; JP 4713587 B2 20110629

DOCDB simple family (application)  
**AU 2004001124 W 20040823**; AU 2004322632 A 20040823; CA 2577338 A 20040823; CN 200480043828 A 20040823; EP 04761161 A 20040823; JP 2007528503 A 20040823