



(51) International Patent Classification:  
**B41J 2/14** (2006.01)

(21) International Application Number:  
PCT/EP2021/087776

(22) International Filing Date:  
29 December 2021 (29.12.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
20217957.8 31 December 2020 (31.12.2020) EP

(71) Applicant: **3C PROJECT MANAGEMENT LIMITED**  
[IE/IE]; The Coppins, Manor Avenue, Greystones, County  
Wicklow, A63HF96 (IE).

(72) Inventors: **MCAVOY, Gregory John**; c/o 3C PROJECT  
MANAGEMENT LIMITED, The Coppins, Manor Avenue,  
Greystones, County Wicklow, A63HF96 (IE). **COULL,**  
**Richard**; c/o 3C PROJECT MANAGEMENT LIMITED,  
The Coppins, Manor Avenue, Greystones, County Wick-  
low, A63HF96 (IE).

(74) Agent: **HINDLES LIMITED**; Clarence House, 131-135  
George Street, Edinburgh Lothian EH2 4JS (GB).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,  
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO,  
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,  
HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN,  
KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD,  
ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO,  
NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW,  
SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN,  
TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ,  
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,  
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,  
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,  
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,  
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,  
KM, ML, MR, NE, SN, TD, TG).

(54) Title: PRINTHEAD ASSEMBLY

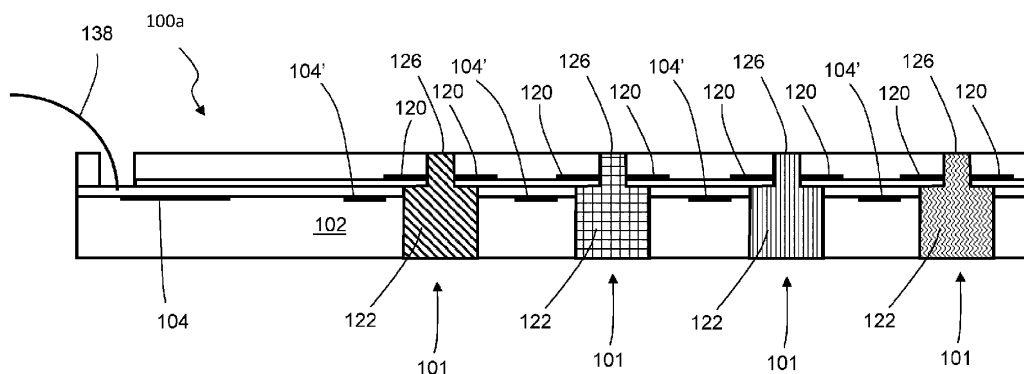


Fig. 2

(57) Abstract: The present disclosure provides a printhead assembly comprising: a plurality of printhead modules (100a), including a first printhead module, a second printhead module and a third printhead module. Each of the plurality of printhead modules (100a) comprises: a plurality of printhead nozzles (126) each provided with an actuator (118) for selectively ejecting print agent therefrom; at least one print agent manifold (122, 124) providing a fluid communication pathway between at least one print agent inlet and the plurality of printhead nozzles (126); and control circuitry (104) to control the actuators (118) of the printhead module (100a) to eject print agent from the printhead nozzles (126). The first printhead module is mounted to the third printhead module via the second printhead module.

[Continued on next page]

**Published:**

- *without international search report and to be republished  
upon receipt of that report (Rule 48.2(g))*