

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
09 April 2020 (09.04.2020)



(10) International Publication Number
WO 2020/069845 A1

(51) International Patent Classification:

B41J 2/175 (2006.01) *B41J 29/54* (2006.01)
B41J 29/02 (2006.01) *B41J 29/56* (2006.01)
B41J 29/377 (2006.01)

(21) International Application Number:

PCT/EP2019/074751

(22) International Filing Date:

16 September 2019 (16.09.2019)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/740,843	03 October 2018 (03.10.2018)	US
62/864,387	20 June 2019 (20.06.2019)	US

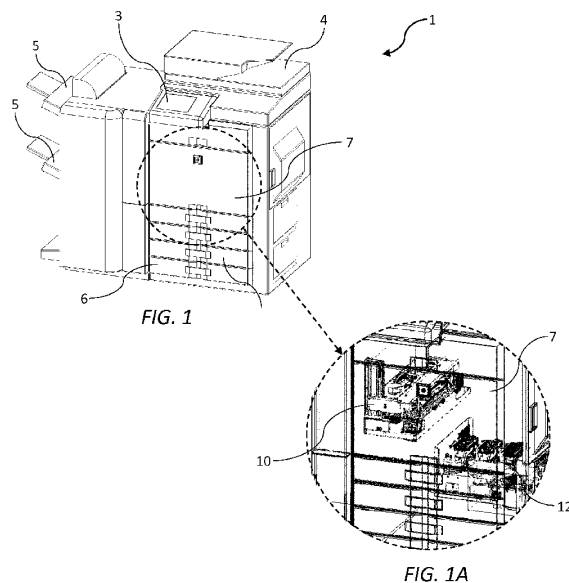
(71) Applicant: **MEMJET TECHNOLOGY LIMITED**

[IE/IE]; 61/62 Fitzwilliam Lane, 2 Dublin (IE).

(72) Inventors: **BURKE, David**; 6-8 Lyon Park Road, North Ryde, New South Wales 2113 (AU). **BERRY, Norman**; 6-8 Lyon Park Road, North Ryde, New South Wales 2113 (AU). **SELVAN S/O ANOTHONY SAMY, Harrick**; No. 2 Corporation Rd. #02-07/12 Corporation Place, 618494 (SG). **PACINIO ANCiano, Reynoal**; No. 2 Corporation Rd. #02-07/12 Corporation Place, 618494 (SG). **KEAT FAH, Soon**; No. 2 Corporation Rd. #02-07/12 Corporation Place, 618494 (SG). **LAI SAY, Poh**; No. 2 Corporation Rd. #02-07/12 Corporation Place, 618494 (SG).

(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, 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,

(54) Title: PRINT MODULE WITH TWO-STAGE PCB ENGAGEMENT



(57) Abstract: A print module includes: a cradle defining a longitudinal cavity; an elongate printhead received in the longitudinal cavity, the printhead having a row of printhead contacts; a PCB slidably movable relative to the cradle along a first axis perpendicular to a longitudinal axis of the printhead; and an actuator handle. The actuator handle is configured for reciprocally lowering and raising the PCB and urging the PCB contacts into engagement with the printhead contacts, thereby forming electrical connections between the PCB and the printhead. The PCB electrical contacts are urged along a second axis perpendicular to the first axis and the longitudinal axis of the printhead.

[Continued on next page]

SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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).

Published:

— with international search report (Art. 21(3))