

EUROPEAN PATENT APPLICATION

Application number: 81301030.3

Int. Cl.³: **B 41 J 3/04**

Date of filing: 12.03.81

Priority: 14.03.80 GB 8008794

Date of publication of application:
23.09.81 Bulletin 81/38

Date of deferred publication of search report: 07.10.81

Designated Contracting States:
AT BE CH DE FR GB IT LI LU NL SE

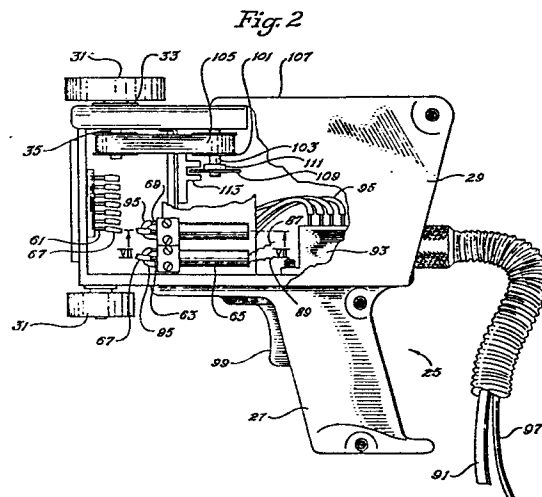
Applicant: **PRINTOS B.V.**
Energistraat 1-3 P.O. Box 5029
NL-1410 AA Naarden(NL)

Inventor: **Cross, Grant Paterson**
M/V Dimcyl Harefield Road
Rickmansworth Hertfordshire(GB)

Representative: **Shearer, Brian N. et al,**
ERIC POTTER & CLARKSON 5 Market Way Broad Street
Reading Berkshire, RG1 2BN(GB)

Hand-held printing apparatus.

A hand-held ink jet printing apparatus (11) is shown which has a carriage (13) adapted to be held in the hand of the user. Wheels (31) on the carriage (13) allow the carriage (13) to be moved over a surface to be printed. A plurality of nozzles (37) located in a common nozzle block (39) mounted on the carriage (13) are connected to a plurality of electrically operated solenoid valves (65) which supply ink to the nozzles (37). A microcomputer (17) remote from the carriage (13) controls the operation of the electrically operated solenoid valves (65). An encoder disk assembly (109) mounted on the carriage (13) and driven by the wheels (31) supplies electrical signals to the microcomputer (17) indicative of the rate at which the carriage (13) is moved over the surface to be printed.





DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl.⁹)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	<u>US - A - 3 656 169 (TOSHIO)</u> -----		B 41 J 3/04
			TECHNICAL FIELDS SEARCHED (Int. Cl.⁹)
			B 41 J 3/04 G 06 K 15/00 G 01 D 15/00
			CATEGORY OF CITED DOCUMENTS
			X: particularly relevant A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: conflicting application D: document cited in the application L: citation for other reasons
			&: member of the same patent family, corresponding document
X	The present search report has been drawn up for all claims		
Place of search	Date of completion of the search	Examiner	
VIENNA	21-07-1981	KIENAST	