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EUROPEAN PATENT APPLICATION

21 Application number: **86301991.5**

51 Int. Cl.⁴: **G 03 G 15/00**

22 Date of filing: **18.03.86**

30 Priority: **18.03.85 US 713371 18.03.85 US 713530**

43 Date of publication of application:
24.09.86 Bulletin 86/39

84 Designated Contracting States: **DE FR GB NL**

89 Date of different publication of search report:
01.04.87 Bulletin 87/14

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54 Automatic setup of electrophotographic printing machines.

57 An automated process and apparatus for establishing the basic xerographic operating parameters for an electrophotographic printing machine. The document scanning means (42, 43, 44, 45) is used in a setup mode to generate test patches (100, 102, 104, 106) of varying density on the machine photoreceptor (10). The levels are measured and compared to pre-set values stored in a digital controller memory until convergence is obtained along three separate points on the photo-induced discharge curve (PIDC) (see Figure 2). The controller (31) adjusts the system parameters of charge circuit, developer bias and system exposure in an iterative process and corresponding to the PIDC for the particular machine.

FIG. 5

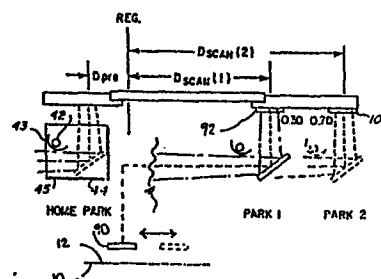
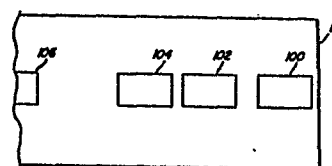


FIG. 7





EP 86 30 1991

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int Cl 4)
Y	DE-A-2 741 713 (CANON) * complete document *	1	G 03 G 15/00
Y	--- DE-A-3 304 966 (RICOH) * complete document *	1	
Y	--- DE-A-3 340 959 (RICOH) * complete document *	1	
A	--- US-A-4 215 930 (S. MIYAKAWA et al.) * claims 1-8; figures 5, 6 *	1	
A	--- DE-A-3 221 618 (CANON) * complete document *	1	
			TECHNICAL FIELDS SEARCHED (Int Cl 4)
			G 03 G 15/00
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
BERLIN		02-12-1986	HOPPE H
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone		T : theory or principle underlying the invention	
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