

Title (en)

AN IMAGE DENSITY DETECTING DEVICE FOR IMAGE FORMING APPARATUS

Publication

EP 0066187 B1 19851204 (EN)

Application

EP 82104363 A 19820518

Priority

- JP 7748281 A 19810522
- JP 7748381 A 19810522

Abstract (en)

[origin: EP0066187A1] An image density detecting device for an image forming apparatus includes a substantially rectangular diffusing member (42) for receiving light from document (S) through a focusing light-transmission member (22) and a plurality of photodiodes (43) embedded at a suitable interval in the bottom of the light diffusing member. The longitudinal dimension of the light receiving surface mentioned above has a longitudinal dimension equal to the width of a document set on a table and a transversal dimension corresponding to an area of the document surface illuminated by an exposure lamp (21A). Light reflected from the document illuminated by the exposure lamp (21A) is uniformized through the light diffusing member (42) before it is detected by the photodiodes (43).

IPC 1-7

G03B 27/72; **G03G 15/00**

IPC 8 full level

G03G 15/00 (2006.01); **G03G 15/04** (2006.01)

CPC (source: EP)

G03G 15/04 (2013.01); **G03G 15/5025** (2013.01)

Cited by

CN103175848A; US4544258A; US4737748A

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

EP 0066187 A1 19821208; **EP 0066187 B1 19851204**; DE 3267764 D1 19860116

DOCDB simple family (application)

EP 82104363 A 19820518; DE 3267764 T 19820518