

Title (en)

RECORD CARRIER SCANNING DEVICE FOR LINE PRINTERS

Publication

**EP 0146070 B1 19890719 (DE)**

Application

**EP 84114680 A 19841203**

Priority

DE 3345030 A 19831213

Abstract (en)

[origin: US4639607A] The present invention is directed to a sensing device for a printing apparatus which has a printing head that moves line-wise along a recording medium that is conducted across a reflective surface. The sensing device includes a source of radiation projected onto an area of the reflective surface adjacent to the area or spot of printing and a radiation receiving device for receiving a reflected beam of radiation from the spot, which receiving device has a convergent lens system positioned in the path of the reflected beam of radiation and positioned with the focal point being approximately at the reflective spot or area so that the lens system directs beams deflected from the desired path onto the receiving surface due to deformations in the reflective surface.

IPC 1-7

**B41J 29/42; B65H 23/032; H04N 1/06**

IPC 8 full level

**B41J 29/42** (2006.01); **B41J 29/48** (2006.01); **B41J 29/50** (2006.01); **B65H 7/14** (2006.01); **B65H 23/032** (2006.01); **G01V 8/14** (2006.01); **H04N 1/06** (2006.01)

CPC (source: EP US)

**B41J 29/42** (2013.01 - EP US)

Designated contracting state (EPC)

CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

**DE 3345030 C1 19841011**; DE 3479012 D1 19890824; EP 0146070 A2 19850626; EP 0146070 A3 19880511; EP 0146070 B1 19890719; JP S60220780 A 19851105; US 4639607 A 19870127

DOCDB simple family (application)

**DE 3345030 A 19831213**; DE 3479012 T 19841203; EP 84114680 A 19841203; JP 26100384 A 19841212; US 67849884 A 19841205