

Title (en)

Device for reading pale colour marks in printing machines.

Title (de)

Vorrichtung zum Lesen von blassen Farbmarken in Druckmaschinen.

Title (fr)

Dispositif de lecture de marques de couleur pâle dans une machine d'impression.

Publication

EP 0512448 A1 19921111 (FR)

Application

EP 92107486 A 19920502

Priority

CH 132791 A 19910506

Abstract (en)

The device for reading a mark (15) printed on an element (10) moving across in front of a light source (20) comprises at least two parallel mark reading channels (32,34,40,50,60) generating as output an electrical pulse when the mark passes, each channel being sensitive to a particular colour. The device moreover comprises electronic means (70) selecting, among the electrical pulses generated by the channels, the pulse which is most representative of the mark. <IMAGE>

IPC 1-7

B41F 33/00

IPC 8 full level

G01J 3/50 (2006.01); **B41F 33/00** (2006.01); **B41F 33/14** (2006.01)

CPC (source: EP KR US)

B41F 31/02 (2013.01 - KR); **B41F 33/00** (2013.01 - KR); **B41F 33/0081** (2013.01 - EP US)

Citation (search report)

- [A] DE 3311352 C1 19840315 - WEBER RUDOLF INGBUERO KG
- [A] EP 0283899 A2 19880928 - KOLLMORGEN CORP [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 10, no. 372 (M-544)(2429) 11 Décembre 1986 & JP-A-61 164 835 (NEC CORP)

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EP1219420A1; DE102008049908A1; US7170648B2

Designated contracting state (EPC)

AT BE DE DK ES FR GB IT LU NL SE

DOCDB simple family (publication)

EP 0512448 A1 19921111; **EP 0512448 B1 19970409**; AT E151348 T1 19970415; CA 2067994 A1 19921107; CA 2067994 C 19961126; CH 686357 A5 19960315; DE 69218821 D1 19970515; DE 69218821 T2 19971016; DK 0512448 T3 19971027; ES 2100248 T3 19970616; JP 3041439 U 19970919; JP H05147197 A 19930615; KR 920021317 A 19921218; KR 970000777 B1 19970120; TW 276319 B 19960521; US 5215011 A 19930601

DOCDB simple family (application)

EP 92107486 A 19920502; AT 92107486 T 19920502; CA 2067994 A 19920505; CH 132791 A 19910506; DE 69218821 T 19920502; DK 92107486 T 19920502; ES 92107486 T 19920502; JP 11373692 A 19920506; JP 164797 U 19970313; KR 920007580 A 19920504; TW 81103067 A 19920430; US 87977692 A 19920506