

Title (en)

Recording apparatus and ink cassette therefor

Title (de)

Aufzeichnungsgerät und zugehörige Tintenkassette

Title (fr)

Appareil d'enregistrement et cassette d'encre correspondante

Publication

EP 0689936 A3 19960731 (EN)

Application

EP 95202370 A 19900807

Priority

- EP 90308663 A 19900807
- JP 10375590 A 19900419

Abstract (en)

[origin: EP0452585A2] A recording apparatus includes a recording head for effecting an recording operation on a recording material while it is being moved; a plurality of detectors for detecting plural conditions of the apparatus; a controller for effecting the recording operation in accordance with the conditions detected by the detectors; the plurality of detectors includes a detecting element movable together with the recording head and a plurality of members to be detected corresponding to the conditions of the apparatus and disposed along a movement path of the detecting element.
<IMAGE>

IPC 1-7

B41J 2/175

IPC 8 full level

B41J 2/05 (2006.01); **B41J 2/175** (2006.01); **B41J 11/42** (2006.01); **B41J 21/02** (2006.01); **B41J 29/00** (2006.01); **B41J 29/42** (2006.01); **B41J 29/48** (2006.01)

CPC (source: EP KR)

B41J 2/17546 (2013.01 - EP); **B41J 2/17596** (2013.01 - EP); **B41J 11/42** (2013.01 - EP); **B41J 19/20** (2013.01 - EP); **B41J 21/02** (2013.01 - EP); **B41J 25/304** (2013.01 - KR); **B41J 29/42** (2013.01 - EP); **B41J 29/48** (2013.01 - EP)

Citation (search report)

- [A] US 4709247 A 19871124 - PIATT MICHAEL J [US], et al
- [E] EP 0412459 A2 19910213 - CANON KK [JP]
- [A] US 4838717 A 19890613 - OGURA WATARU [JP]
- [A] US 4832518 A 19890523 - MORIYAMA JIRO [JP]
- [A] FR 2044034 A5 19710219 - MESSGERATEW K VEB
- [A] PATENT ABSTRACTS OF JAPAN vol. 12, no. 131 (M - 688) 22 April 1988 (1988-04-22)
- [A] PATENT ABSTRACTS OF JAPAN vol. 13, no. 380 (M - 863) 23 August 1989 (1989-08-23)
- [A] PATENT ABSTRACTS OF JAPAN vol. 13, no. 287 (M - 844) 30 June 1989 (1989-06-30)
- [A] PATENT ABSTRACTS OF JAPAN vol. 12, no. 371 (M - 748) 5 October 1988 (1988-10-05)

Cited by

KR100519000B1; EP1106361A3; AU2002311244B2; AU2002311244B8; KR100545510B1; EP1241011A3; EP1690688A1; EP1348558A1; US7137689B2; US7237884B2; US6561611B2; US7300144B2; US7178911B2; US6578941B2; US7380925B2; US6886928B2; US7226153B2; US7152966B2; US7284830B2; US6976749B2; US6899418B2; US6938996B2

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

EP 0452585 A2 19911023; EP 0452585 A3 19920401; EP 0452585 B1 19961211; CN 1029027 C 19950621; CN 1055814 A 19911030; DE 69029387 D1 19970123; DE 69029387 T2 19970424; DE 69033170 D1 19990722; DE 69033170 T2 19991118; EP 0689936 A2 19960103; EP 0689936 A3 19960731; EP 0689936 B1 19990616; HK 1011836 A1 19990716; JP H041056 A 19920106; KR 910018197 A 19911130; KR 940010886 B1 19941119

DOCDB simple family (application)

EP 90308663 A 19900807; CN 90107065 A 19900820; DE 69029387 T 19900807; DE 69033170 T 19900807; EP 95202370 A 19900807; HK 98112952 A 19981208; JP 10375590 A 19900419; KR 900012875 A 19900821