

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