

Title (en)
Image forming method and apparatus therefor

Title (de)
Bilderzeugungsverfahren und Bilderzeugungsgerät dafür

Title (fr)
Procédé de formation d'images et dispositif pour ce procédé

Publication
EP 0884185 A3 19990331 (EN)

Application
EP 98110682 A 19980610

Priority
JP 15345697 A 19970611

Abstract (en)
[origin: EP0884185A2] An image forming apparatus prevents foreign matter, such as dust or the like from being sucked into an ink passage from an ejection opening when a liquid ejection head ejecting a liquid is elevated from an image forming position to a recovery process position located above the image forming position. The image forming apparatus includes a liquid supply passage (39) connected to the liquid ejection head (21) which is provided with ejection opening (44) for ejecting liquid, liquid supply device (41) for supplying liquid to the liquid ejection head (21) via the liquid supply passage (39), recovery process device for recovering ejecting condition of liquid from the liquid ejection head (21), head moving device for moving the liquid ejection head between the recovery process position for performing recovery process of the liquid ejection head (21) by the recovery process device and an image forming position for forming an image on the printing medium by the liquid ejection head (21), and closing device (41) for closing the liquid supply passage (39) during movement of the liquid ejection head (21) into the recovery process position by the head moving device. <IMAGE>

IPC 1-7
B41J 2/165

IPC 8 full level
B41J 2/165 (2006.01)

CPC (source: EP)
B41J 2/1652 (2013.01)

Citation (search report)
• [A] US 5534897 A 19960709 - ANDERSON DAVID G [US], et al
• [A] EP 0376309 A2 19900704 - CANON KK [JP]
• [A] EP 0401026 A2 19901205 - CANON KK [JP]
• [A] US 5570117 A 19961029 - KARAMBELAS RANDY C [US], et al
• [A] US 5561448 A 19961001 - KANEKO MINEO [JP], et al
• [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 452 (M - 1661) 23 August 1994 (1994-08-23)

Cited by
CN102343719A; EP1231062A3; CN104339871A; US8998357B2; US6805437B2; US9028040B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0884185 A2 19981216; EP 0884185 A3 19990331; EP 0884185 B1 20021016; DE 69808696 D1 20021121; DE 69808696 T2 20030313

DOCDB simple family (application)
EP 98110682 A 19980610; DE 69808696 T 19980610