

Title (en)
INK RAIL DEVICE

Publication
EP 0359958 A3 19900919 (DE)

Application
EP 89114328 A 19890803

Priority
DE 3832216 A 19880922

Abstract (en)
[origin: JPH02113943A] PURPOSE: To avoid a regulating operation for a doctor blade by providing an ink chamber closed at all sides except an ink inlet opening and an ink outlet opening, and rigidly inserting the blade into the chamber. CONSTITUTION: Doctor blades 7, 8 are rigidly inserted into grooves 5, 6 provided at a substrate 3. And, the blades are brought into contact with an anilox roller 9 in an operating state of the doctors. In this case, at the time of already manufacturing the doctors, a distance between the front edges of the blades 7, 8 and a rear contact surface 10 of the substrate 3 and parallelism between the front edge of the blade and the contact surface can be obtained. The substrate 3, the sidewall 4 and the blades 7, 8 limit the chamber 1 except an ink outlet opening 11 disposed between the blades 7, 8 and the wall 4 and an ink inlet opening 12 passing through the rear wall of the substrate 3.

IPC 1-7
B41F 31/02

IPC 8 full level
B41F 31/08 (2006.01); **B41F 31/02** (2006.01)

CPC (source: EP US)
B41F 31/027 (2013.01 - EP US)

Citation (search report)
• [Y] EP 0071180 A1 19830209 - WINDMOELLER & HOELSCHER [DE]
• [Y] FR 1432113 A 19660318 - MASCHF AUGSBURG NUERNBERG AG
• [A] US 4590855 A 19860527 - SCHOMMER DAVID L [US], et al
• [A] GB 191027968 A 19110518 - JUSTICE PHILIP MIDDLETON [GB]

Cited by
CN110757953A; EP1466733A3; EP1090756A1; EP0513546A1; US5343805A; WO0216137A1; WO0125014A1

Designated contracting state (EPC)
CH DE FR GB IT LI SE

DOCDB simple family (publication)
EP 0359958 A2 19900328; EP 0359958 A3 19900919; EP 0359958 B1 19931020; DE 3832216 C1 19900531; DE 58905955 D1 19931125; JP H02113943 A 19900426; US 4964336 A 19901023

DOCDB simple family (application)
EP 89114328 A 19890803; DE 3832216 A 19880922; DE 58905955 T 19890803; JP 24243489 A 19890920; US 40362089 A 19890906