

Title (en)
Both faces print station

Title (de)
Station zum beidseitigen Bedrucken

Title (fr)
Station d'impression recto-verso

Publication
EP 0947340 A3 20000412 (EN)

Application
EP 99104489 A 19990305

Priority
JP 9033598 A 19980402

Abstract (en)
[origin: EP0947340A2] A both faces print station which enables size to be small and enabling printing speed to be fast is obtained. A first printing section is provided with a first line thermal head (12) and a first platen roller (13) which put a paper transferring route therebetween. A second printing section is provided with a second line thermal head (22) and a second platen roller (23) which put a paper transferring route therebetween. The first printing section is arranged symmetrically to the second printing section with each other. The printing to the both of front and back sides of a thermal paper is performed simultaneously. <IMAGE>

IPC 1-7
B41J 3/60; **B41J 2/32**

IPC 8 full level
B41J 3/54 (2006.01); **B41J 2/325** (2006.01); **B41J 3/60** (2006.01); **B41J 11/00** (2006.01)

CPC (source: EP)
B41J 2/325 (2013.01); **B41J 3/60** (2013.01)

Citation (search report)

- [X] EP 0700788 A2 19960313 - KO PACK KK [JP]
- [X] US 4410897 A 19831018 - MORIGUCHI HARUHIKO [JP], et al
- [A] US 5558449 A 19960924 - MORGAVI PAUL [FR]
- [X] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 08 30 June 1998 (1998-06-30)
- [A] PATENT ABSTRACTS OF JAPAN vol. 008, no. 174 (M - 316) 10 August 1984 (1984-08-10)

Cited by
EP1759863A1; US6982737B2; US7830404B2; JP4852155B2; US2012224016A1; EP1321296A3; US8537189B2; EP1862317A3; US8009183B2; EP1976703A4; EP1862322A1; EP2284012A1; EP1862319A3; EP2561999A1; CN111070902A; US8504427B2; US7764299B2; US7777770B2; US8462184B2; US8173575B2; US7623145B2; EP1872957A3; EP1253010A1; EP2085229A1; EP2085230A1; WO2011153952A1; EP1872955A1; EP1862323A3; US8313258B2; US8506187B2; US8506188B2; US8506189B2; US8529143B2; US8616792B2; US7839425B2; US8314821B2; US6784906B2; US8194107B2; US7589752B2; US8083423B2; US8211826B2; EP1862317A2; US7782349B2; US8576436B2; US8114812B2; US8206046B2; US7531224B2; EP1862319A2; US7710442B2; US7950860B2; US8382388B2; US8485745B2

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 0947340 A2 19991006; **EP 0947340 A3 20000412**; JP H11286147 A 19991019

DOCDB simple family (application)
EP 99104489 A 19990305; JP 9033598 A 19980402