

Title (en)

DEVICE FOR JOINING ADDITIONAL APPLIANCES TOGETHER

Publication

EP 0375958 A3 19901205 (DE)

Application

EP 89121858 A 19891127

Priority

DE 3843966 A 19881224

Abstract (en)

[origin: EP0375958A2] A device is proposed for joining additional appliances to printing machines which have a control device. The additional appliances are connected to the control device in such a way that all the data and/or signal lines are grouped together at a central connection point which undertakes electrical isolation of all the inputs and outputs between the control device and the additional appliances. <IMAGE>

IPC 1-7

B41F 33/00

IPC 8 full level

B41F 33/00 (2006.01); **G08C 19/00** (2006.01)

CPC (source: EP US)

B41F 33/0009 (2013.01 - EP US)

Citation (search report)

- [YD] DE 3708925 A1 19871105 - HEIDELBERGER DRUCKMASCH AG [DE]
- [Y] GB 2189745 A 19871104 - HEIDELBERGER DRUCKMASCH AG
- [A] EP 0171468 A2 19860219 - NIXDORF COMPUTER AG [DE]
- [Y] Elektronik vol. 23, no. 3, März 1974, Seite 93 Suhrke: "Datenübertragung mit Optokopplern"
- [A] PATENT ABSTRACTS OF JAPAN vol. 10, no. 257 (M-513)(2313) 03 September 1986, & JP-A-61 084251 (TOKYO KIKAI SEISAKUSHO) 28 April 1986

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EP0649744A1; CN1061302C; US6373584B1

Designated contracting state (EPC)

CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0375958 A2 19900704; EP 0375958 A3 19901205; EP 0375958 B1 19940316; AU 4673489 A 19900628; AU 631826 B2 19921210; CA 2002129 A1 19900624; CA 2002129 C 19950530; CN 1013946 B 19910918; CN 1043665 A 19900711; DE 3843966 A1 19900628; DE 58907237 D1 19940421; ES 2052869 T3 19940716; JP H02220847 A 19900904; US 5287007 A 19940215

DOCDB simple family (application)

EP 89121858 A 19891127; AU 4673489 A 19891214; CA 2002129 A 19891102; CN 89109136 A 19891215; DE 3843966 A 19881224; DE 58907237 T 19891127; ES 89121858 T 19891127; JP 32976989 A 19891221; US 45636389 A 19891226