

Title (en)

SYSTEM UPDATE PROTOCOL AND BOOTABLE CD CONTROLLER WITH EMBEDDED OPERATING SYSTEM

Title (de)

SYSTEMAKTUALISIERUNGSPROTOKOLL UND BOOT-FÄHIGE CD-STEUERUNG MIT EINGEBETTETEM BETRIEBSSYSTEM

Title (fr)

PROTOCOLE DE MISE A JOUR DE SYSTEME ET CONTROLEUR INITIALISABLE A PARTIR D'UN C.D. A SYSTEME D'EXPLOITATION INCORPORE

Publication

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Application

EP 03741823 A 20030528

Priority

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- US 15630302 A 20020528

Abstract (en)

[origin: WO03100610A1] A system update protocol. A software update is packed into a packed file, which packed file includes a unique signature. The packed file is uploaded from a trusted client computer to the network printer. The integrity of the packed file is automatically checked on the network printer by performing a checksum and signature comparison to ensure the packed file is transmitted correctly. The packed file is resent when the packed file is determined to be corrupt. The packed file is unpacked into a predetermined directory structure of unpacked files. The client computer then signals the network printer cause installation of the software update on the network printer. In another embodiment, the printer controller includes one or more non-volatile memory elements for storing print/fax/scan data and printer controller system parameters. The printer controller is bootable from the non-volatile storage medium, such as a CD-ROM or other removable type data disc.

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IPC 8 full level

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CPC (source: EP)

G06F 3/1204 (2013.01); **G06F 3/123** (2013.01); **G06F 3/1285** (2013.01); **G06F 8/65** (2013.01)

Citation (search report)

- [X] EP 0601704 A1 19940615 - CANON INFORMATION SYST INC [US]
- [X] WO 0104749 A1 20010118 - AXIS AB [SE], et al
- [A] EP 1043656 A2 20001011 - SUN MICROSYSTEMS INC [US]
- [A] WO 0193577 A2 20011206 - GEN INSTRUMENT CORP [US]
- [A] U.S. DEPARTMENT OF COMMERCE/NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY: "FIPS PUB 182-2 + change notice 1: Digital Signature Standard (DSS)", 27 January 2000 (2000-01-27), Gaithersburg, MD, pages 1 - 76, XP002345589, Retrieved from the Internet <URL:http://csrc.nist.gov/publications/fips/fips186-2/fips186-2-change1.pdf> [retrieved on 20050915]
- See references of WO 03100610A1

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DOCDB simple family (publication)

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DOCDB simple family (application)

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