Title (en)

SYSTEM AND METHOD FOR VIRTUALIZING BASIC INPUT/OUTPUT SYSTEM (BIOS) INCLUDING BIOS RUN TIME SERVICES

Title (de)

SYSTEM UND VERFAHREN ZUR VIRTUALISIERUNG DES BIOS (VIRTUALIZING BASIC INPUT/OUTPUT SYSTEM), EINSCHLIESSLICH BIOS-LAUFZEITDIENSTE

Title (fr)

SYSTEME ET PROCEDE DE VIRTUALISATION DU BIOS ET DE SES SERVICES DE TEMPS D'EXECUTION

Publication

EP 1623337 A4 20081231 (EN)

Application

EP 04751054 A 20040430

Priority

- US 2004013462 W 20040430
- US 42868203 A 20030502
- US 42871303 A 20030502

Abstract (en)

[origin: WO2004099912A2] A method and system of emulating serial com port communication. A computer processing system has computer-executable operating system instructions including first instructions that interact with a first serial device according to a predefined input/output (I/O) hardware interface. A first serial device has a receive port and a transmit port and has the predefined (I/O) hardware interface. A second serial device has a receive port and a transmit port. The transmit port of the first serial device is in serial communication with the receive port of the second serial device, and the receive port of the first serial device is in serial communication with the transmit port of the second serial device. Computer-executable instructions emulate serial communication port device communication and include instructions that transmit information over another medium in response to receive requests from the second serial device. The transmitted information includes information representative of the receive request from the second device. Transmissions to the first serial device by the operating system instructions are transmitted over the other medium and serial communication port device communication is thereby emulated over the other medium. The emulation instructions further include instructions, responsive to a communication received from the other medium, that transmit information representative of the received communication to the transmit port of the second serial device. The emulation system communicates with at least one console device. The other medium comprises a packet-based network. The other medium comprises a cell-based network. The operating system communicates directly and solely with the predefined I/O hardware interface.

IPC 8 full level

G06F 15/177 (2006.01); **G06F 9/445** (2006.01); **G06F 9/455** (2006.01)

IPC 8 main group level

G06F (2006.01)

CPC (source: EP)

G06F 9/4416 (2013.01); **G06F 13/105** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

WO 2004099912 A2 20041118; **WO 2004099912 A3 20050127**; CA 2524455 A1 20041118; DE 112004000732 T5 20061026; EP 1623337 A2 20060208; EP 1623337 A4 20081231; WO 2004099920 A2 20041118; WO 2004099920 A3 20050324

DOCDB simple family (application)

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