

Title (en)
ARRANGEMENT AND METHOD TO IMPROVE INFORMATION SECURITY

Title (de)
ANORDNUNG UND VERFAHREN UM DIE INFORMATIONSSICHERHEIT ZU VERBESSERN

Title (fr)
DISPOSITIF ET PROCEDE D'AMELIORATION DE LA SECURITE DES INFORMATIONS

Publication
EP 1196851 A1 20020417 (EN)

Application
EP 00918906 A 20000412

Priority
• FI 0000310 W 20000412
• FI 990851 A 19990416
• FI 20000456 A 20000228

Abstract (en)
[origin: WO0063778A1] The invention relates to an arrangement and method for preventing unauthorised access to an information system via a network. A workstation according to the invention comprises at least two separate processor units (PA, PB) in one and the same housing and a switch unit (16). Part of the processor units (PA) are connected to public data networks. The other processor units (PB), which are not connected to public data networks, are used as work machines proper. The processor units in the workstation have got separate power supplies (21, 22), separate fixed disk drives (9, 10) and hardware interfaces for electrically isolating data transfer between the processor units. The processor units share a display (20), keyboard (18) and a mouse (19) with their associated interfaces. By means of a control switch (17) the user can select the processor unit to work with. In conjunction with the switch unit there is an indicator (23, 24) which indicates to the user the processor unit to which said devices are connected at any given time. An advantage of the invention is that the workstation, which can be connected to public data networks when needed, is secure against unauthorised access so one can safely work and save information on it. Information received from the network is transferred to the protected processor unit in an encrypted form on a diskette or printing paper, for example.

IPC 1-7
G06F 12/14; **G06F 1/00**; **H04L 29/06**

IPC 8 full level
G06F 12/14 (2006.01); **G06F 1/00** (2006.01); **G06F 21/00** (2013.01); **G06F 21/12** (2013.01); **G06F 21/60** (2013.01); **G06F 21/62** (2013.01); **G06F 21/64** (2013.01); **H04L 12/22** (2006.01); **H04L 29/06** (2006.01)

CPC (source: EP)
H04L 12/22 (2013.01); **H04L 63/04** (2013.01); **H04L 63/10** (2013.01); **H04L 63/12** (2013.01); **H04L 69/03** (2013.01); **G06F 2207/7219** (2013.01); **G06F 2211/007** (2013.01); **H04L 63/0428** (2013.01)

Citation (search report)
See references of WO 0063778A1

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)
WO 0063778 A1 20001026; AU 3968500 A 20001102; CA 2370603 A1 20001026; EP 1196851 A1 20020417; FI 109154 B 20020531; FI 20000456 A0 20000228; FI 20000456 A 20001016; HK 1047325 A1 20030214; JP 2002542537 A 20021210

DOCDB simple family (application)
FI 0000310 W 20000412; AU 3968500 A 20000412; CA 2370603 A 20000412; EP 00918906 A 20000412; FI 20000456 A 20000228; HK 02107464 A 20021015; JP 2000612827 A 20000412