

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
8 July 2004 (08.07.2004)

PCT

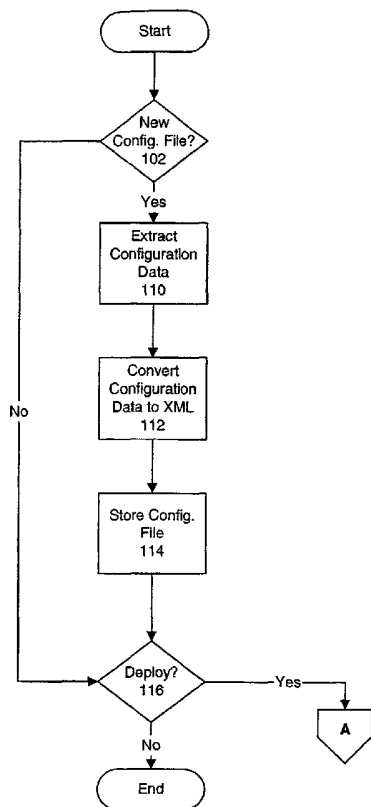
(10) International Publication Number
WO 2004/057788 A3

- (51) International Patent Classification⁷: **G06F 15/177** [IN/US]; 158 Concord Road, Apt. H-22, Billerica, MA 01821 (US).
- (21) International Application Number: PCT/IB2003/006047
- (22) International Filing Date: 10 December 2003 (10.12.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 10/323,764 20 December 2002 (20.12.2002) US
- (71) Applicant (for all designated States except US): **NOKIA CORPORATION** [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **DEBASHIS, Das**
- (74) Agent: **WRIGHT, Bradley, C.,;** Banner & Witcoff, Ltd., 1001 G Street, N.W., Eleventh Floor, Washington, D.C. 20001-4597 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,

[Continued on next page]

(54) Title: AUTOMATED BULK CONFIGURATION OF NETWORK DEVICES

(57) Abstract: Multiple devices within a data communication network can be configured according to a single configuration profile. Configuration profile data is stored in a configuration file. Connections are made to individual devices, and the data in the configuration file is transformed into device-specific commands.



WO 2004/057788 A3



SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:

29 December 2004

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB03/06047

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06F 15/177
 US CL : 709/220,221; 370/463

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 709/220,221; 370/463

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,838,907 A (Hansen) 17 November 1998 (17.11.1998), Figures 1B,7, and 9; col. 6 lines 55-64; col. 8 lines 64 through col. 9 1st paragraph; col. 17 2nd paragraph.	1-38
Y	US 6,098,098 A (SANDAHL et al) 01 August 2000 (01.08.2000), col. 7 lines 49-54; col. 9 lines 9-16.	1-38

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 29 October 2004 (29.10.2004)	Date of mailing of the international search report 12 NOV 2004
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Authorized officer <i>Michelle R. Wiley</i> David A Wiley Telephone No. 703-305-3900