

(19) World Intellectual Property Organization
International Bureau



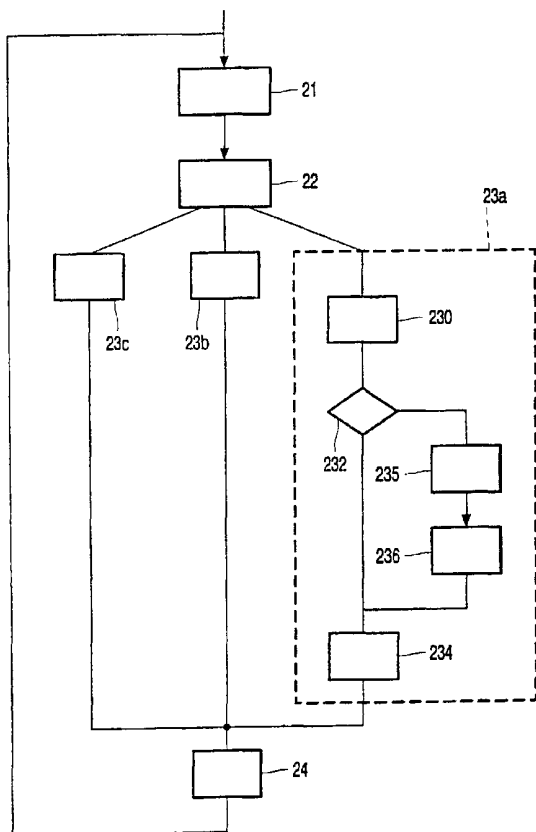
(43) International Publication Date
27 September 2001 (27.09.2001)

PCT

(10) International Publication Number
WO 01/71494 A3

- (51) International Patent Classification⁷: **G06F 9/455**
- (21) International Application Number: PCT/EP01/02524
- (22) International Filing Date: 6 March 2001 (06.03.2001)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
00201007.2 20 March 2000 (20.03.2000) EP
- (71) Applicant: **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
- (72) Inventor: **STEINBUSCH, Otto, L.**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
- (74) Agent: **DE HAAS, Laurens, J.**; Internationaal Octrooibureau B.V., Prof Holstlaan 6, NL-5656 AA Eindhoven (NL).
- (81) Designated State (*national*): JP.
- (84) Designated States (*regional*): European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR).
- Published:**
— with international search report
- (88) Date of publication of the international search report:
30 May 2002
- 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.*

(54) Title: METHOD OF EXECUTING A COMPUTER PROGRAM WITH AN INTERPRETER, COMPUTER SYSTEM AND COMPUTER PROGRAM PRODUCT



(57) Abstract: An interpreter uses a symbol table containing information for resolving symbolic references in instructions. Memory is provided for storing symbolic reference-result associations, the result of the association having resulted from resolving the symbolic reference of the association for an instruction. The memory is organized in groups of locations, each for results for a different category of instructions. During execution of a particular instruction, that group is consulted which is assigned to the category to which the particular instruction belongs. If that group contains an association for the symbolic reference in the particular instruction. If there is such an association, the result from the association is used as operand data for executing the particular instruction. If there is no such association, the particular symbolic reference is resolved by means of the symbol table.



WO 01/71494 A3

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 01/02524

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F9/455

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)

IPC 7 G06F

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 practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 367 685 A (GOSLING JAMES) 22 November 1994 (1994-11-22) cited in the application column 2, line 22 - line 68 ---	1,5,6,8
A	EP 0 810 522 A (SUN MICROSYSTEMS INC) 3 December 1997 (1997-12-03) column 1, line 45 -column 2, line 28 -----	1,5,6,8

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *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)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *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
- *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
- *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.
- *&* document member of the same patent family

Date of the actual completion of the international search

7 March 2002

Date of mailing of the international search report

14/03/2002

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Nielsen, O

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 01/02524

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5367685	A	22-11-1994	DE 69328665 D1	21-06-2000
			DE 69328665 T2	11-01-2001
			EP 1164478 A2	19-12-2001
			EP 0604002 A2	29-06-1994
			EP 0989488 A2	29-03-2000
			JP 6230976 A	19-08-1994
			US RE36204 E	27-04-1999

EP 0810522	A	03-12-1997	US 5815718 A	29-09-1998
			CN 1172303 A	04-02-1998
			DE 69707752 D1	06-12-2001
			EP 1098247 A2	09-05-2001
			EP 0810522 A2	03-12-1997
			JP 10198570 A	31-07-1998
			SG 76513 A1	21-11-2000
			US 5966542 A	12-10-1999
			US 6223346 B1	24-04-2001
			US 2001047513 A1	29-11-2001
