(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
18 July 2002 (18.07.2002)

PCT

(10) International Publication Number
WO 2002/056172 A3

(51) International Patent Classification[7]: G06F 9/455, 12/10

(21) International Application Number:
PCT/US2001/050415

(22) International Filing Date:
20 December 2001 (20.12.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/752,587 27 December 2000 (27.12.2000) US

(71) Applicant: **INTEL CORPORATION** [US/US]; 2200 Mission College Boulevard, Santa Clara, CA 95052 (US).

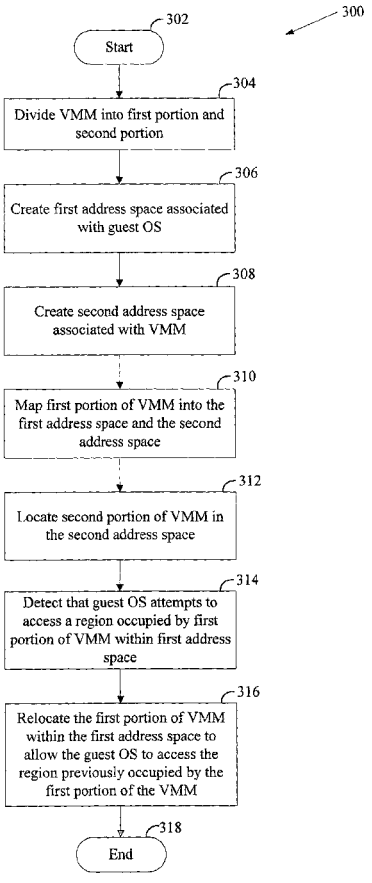
(72) Inventors: **CHOU, Stephen**; 375 North Drive, #A8, North Plainfield, NJ 07060 (US). **NEIGER, Gilbert**; 2424 NE 11th Avenue, Portland, OR 97212 (US). **COTA-ROBLES, Erik**; 4238 SW Marigold, Portland, OR 97219 (US). **JEYASINGH, Stalinselvaraj**; 15821 NW Energia Street, Portland, OR 97229 (US). **UHLIG, Richard**; 1564 NE Orenco Station Parkway West, Hillsboro, OR 97124 (US). **KAGI, Alain**; 2232 NW Everett Street, #2, Portland, OR 97210 (US). **SCHOENBERG, Sebastian**; Eisenacher Strasse 3, 01309 Dresden (DE).

(74) Agents: **MALLIE, Michael, J.** et al.; Blakely Sokoloff Taylor & Zafman, 12400 Wilshire Boulevard, 7th Floor, Los Angeles, CA 90025 (US).

(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,

[Continued on next page]

(54) Title: METHOD FOR RESOLVING ADDRESS SPACE CONFLICTS BETWEEN A VIRTUAL MACHINE MONITOR AND A GUEST OPERATING SYSTEM



(57) Abstract: In one embodiment, a method for resolving address space conflicts includes detecting that a guest operating system attempts to access a region occupied by a first portion of a virtual machine monitor and relocating the first portion of the virtual machine monitor within the first address space to allow the guest operating system to access the region previously occupied by the first portion of the virtual machine monitor.

WO 2002/056172 A3

LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.

(84) Designated States *(regional)*: ARIPO patent (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, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

(88) Date of publication of the international search report:
8 January 2004

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.