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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
27 May 2004 (27.05.2004)

PCT

(10) International Publication Number
WO 2004/044788 A1

(51) International Patent Classification[7]: G06F 17/50, B61L 27/00, G05B 17/02

(21) International Application Number: PCT/EP2003/050724

(22) International Filing Date: 16 October 2003 (16.10.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
SV2002A000056
14 November 2002 (14.11.2002) IT

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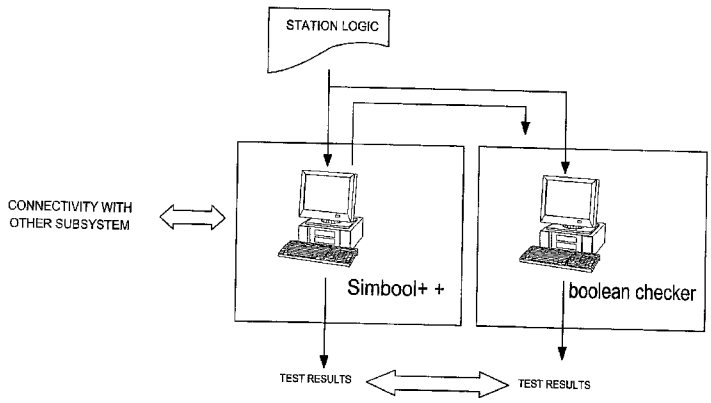
(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, 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 (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, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

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:** DEVICE AND METHOD FOR CHECKING RAILWAY LOGICAL SOFTWARE ENGINES FOR COMMANDING PLANTS, PARTICULARLY STATION PLANTS



(57) **Abstract:** Method and device for checking logical software engines for commanding railway plants, particularly station plants, comprising at least a computer with at least a central processing unit and at least a memory for loading and executing programs: a logical engine for commanding a plant, particularly a station plant, being loaded or loadable in said memory for its execution, which plant comprises a plurality of operating units for actuating and/or detection and/or measurement and/or signalling, so-called wayside equipments, which units are provided for receiving command signals and for transmitting control signals about the operating condition, and which logical software engine reads control signals given by the operating units for actuating and/or detection and/or measurement and/or signalling and its processes command signals of said operating units basing on an operation protocol of the plant itself. According to the invention, in the computer memory is loaded or loadable and is executable by the computer itself a software simulation program of the plant that must be controlled and commanded by the control and command logical program and which simultation program reproduces faithfully the plant structure and the operating modes of the operating units provided in said plant.

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