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- (71) **Applicant:** INTERNATIONAL BUSINESS MACHINES CORPORATION [US/US]; New Orchard Road, Armonk, New York 10504 (US).
- (71) **Applicant (for MG only):** IBM UNITED KINGDOM LIMITED [GB/GB]; PO Box 41, North Harbour, Portsmouth Hampshire PO6 3AU (GB).
- (72) **Inventors:** GREINER, Dan; IBM Corporation, SVL/090/F374, 555 Bailey Avenue, Santa Teresa Lab, San Jose, California 95141-1003 (US). JACOBI, Christian;

IBM Corporation, EG17, 2455 South Road, Poughkeepsie, New York 12601-5400 (US). **SLEGEL, Timothy**; IBM Corporation, MS-P310, 2455 South Road, Poughkeepsie, New York 12601-5400 (US). **ROGERS, Robert**; IBM Corporation, c/o Intellectual Property Law Dept, 2455 South Road, Poughkeepsie, New York 12601 (US).

(74) **Agent:** WILLIAMS, Julian; IBM United Kingdom Limited, Intellectual Property Law, Hursley Park, Winchester Hampshire SO21 2JN (GB).

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(54) **Title:** SELECTIVELY CONTROLLING INSTRUCTION EXECUTION IN TRANSACTIONAL PROCESSING

(57) **Abstract:** Execution of instructions in a transactional environment is selectively controlled. A TRANSACTION BEGIN instruction initiates a transaction and includes controls that selectively indicate whether certain types of instructions are permitted to execute within the transaction. The controls include one or more of an allow access register modification control and an allow floating point operation control.

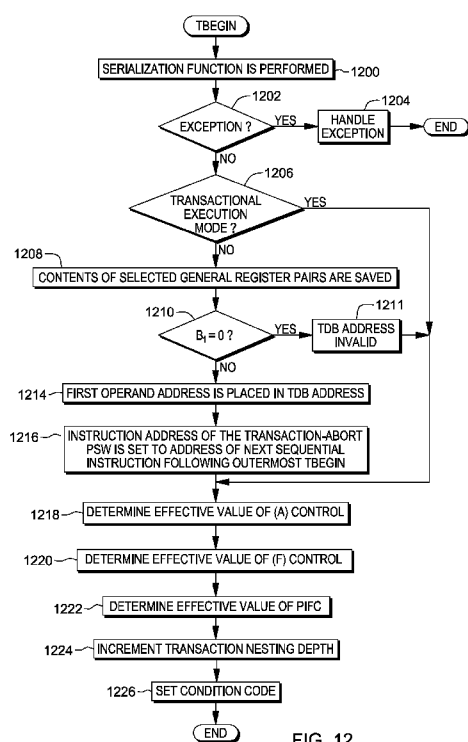


FIG. 12



GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

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