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13/524,788 15 June 2012 (15.06.2012) US(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, San Jose, California 95141 (US). **SLEGEL, Timothy**; IBM Corporation, MS P310, 2455 South Road, Poughkeepsie, New York 12601 (US). **JACOBI, Christian**; IBM Corporation, Bldg. 706/D10, 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: CONSTRAINED TRANSACTION EXECUTION

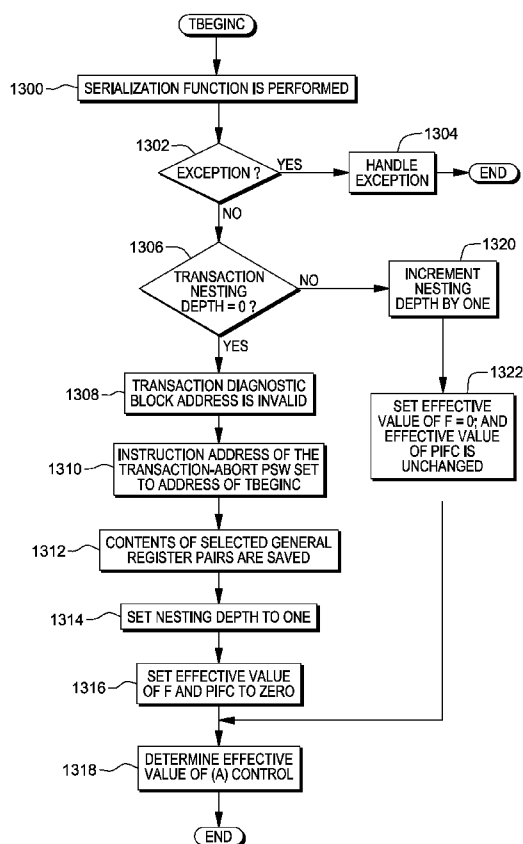


FIG. 13

(57) Abstract: Constrained transactional processing is provided. A constrained transaction is initiated by execution of a Transaction Begin constrained instruction. The constrained transaction has a number of restrictions associated therewith. Absent violation of a restriction, the constrained transaction is to complete. If an abort condition is encountered, the transaction is re-executed starting at the Transaction Begin instruction. Violation of a restriction may cause an interrupt.



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