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(71) Applicant *(for all designated States except US)*: **INTERNATIONAL BUSINESS MACHINES CORPORATION** [US/US]; New Orchard Road, Armonk, NY 10504 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **TONTI, William, R.** [US/US]; 4 Bluestem Road, Essex Junction, VT 05452 (US). **BERRY, Wayne, S.** [US/US]; 202 Maple Street, Essex Junction, VT 05452 (US). **FIFIELD, John, A.** [US/US]; 197 Pokerhill Road, Underhill, VT 05489 (US). **GUTHRIE, William, H.** [US/US]; 14 Vale Drive, Essex Junction, VT 05452 (US). **KONTRA, Richard, S.** [US/US]; 55 Goldenrod Lane, Williston, VT 05495 (US).

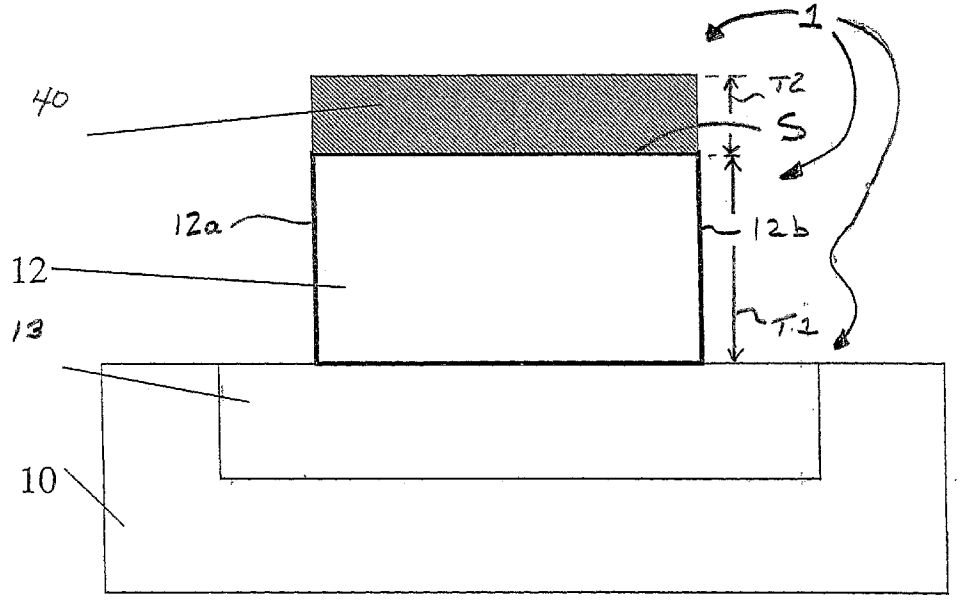
(74) Agent: **ABATE, Joseph, P.**; International Business Machines Corporation, Dept. 18G/Bldg. 300-482, 2070 Route 52, Hopewell Junction, NY 12533 (US).

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[Continued on next page]

(54) Title: PROGRAMMABLE SEMICONDUCTOR DEVICE



(57) Abstract: A programmable device includes a substrate (10); an insulator (13) on the substrate; an elongated semiconductor material (12) on the insulator, the elongated semiconductor material having first and second ends, and an upper surface (S); the first end (12a) is substantially wider than the second end (12b), and a metallic material is disposed on the upper surface; the metallic material being physically migratable along the upper surface responsive to an electrical current (I) flowable through the semiconductor material and the metallic material.

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