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**(54) Title (EN):** MEMORY ARRAY RESET READ OPERATION

**(54) Title (FR):** OPÉRATION DE LECTURE DE RÉINITIALISATION DE RÉSEAU DE MÉMOIRE

**(57) Abstract:**

**(EN):** Systems, devices, and methods related to reset read are described. A reset read may be employed to initiate a transition of a portion of memory array into a first state or maintain a portion of memory array in a first state, such as a transient state. A reset read may provide a highly-parallelized, energy-efficient option to ensure memory blocks are in the first state. Various modes of reset read may be configured according to different input.

**(FR):** L'invention concerne des systèmes, des dispositifs et des procédés se rapportant à une lecture de réinitialisation. Une lecture de réinitialisation peut être utilisée pour initier une transition d'une partie du réseau de mémoire dans un premier état ou pour maintenir une partie du réseau de mémoire dans un premier état, tel qu'un état transitoire. Une lecture de réinitialisation peut fournir une option hautement parallélisée et économe en énergie pour garantir que des blocs de mémoire sont dans le premier état. Divers modes de lecture de réinitialisation peuvent être configurés selon différentes entrées.

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PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

European Patent Office (EPO) : 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

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**Declarations:**

Declaration made as applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate

Declaration made as applicant's entitlement, as at the international filing date, to claim the priority of the earlier application, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules 4.17(iii) and 51bis.1(a)(iii))