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(54) Title: A SYSTEM AND METHOD FOR MANUFACTURING A CROSS BAR DEVICE AND/OR A MULTI SLAB DEVICE

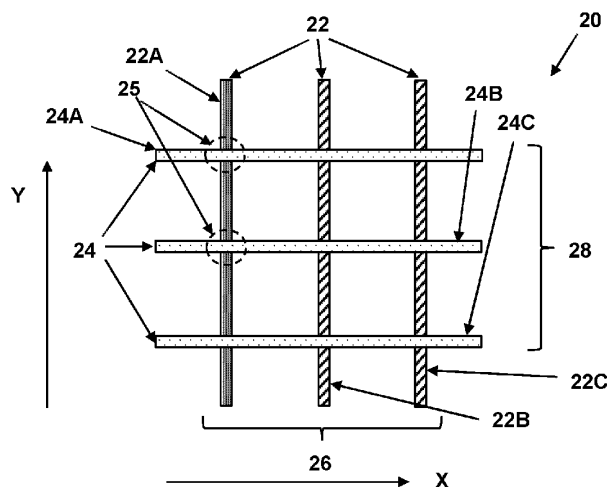


FIG 2A

(57) Abstract: A crossbar array device and a method for manufacturing a crossbar array device. The method comprises providing a first array of first bars. The method comprises providing a second array of second bars crossing and in contact with the first array of first bars. The first array is provided by atomic layer deposition, such that one or more of the first bars differs in at least one property from one or more other of the first bars and/or such that of one or more of the first bars at least one property varies along a longitudinal direction of the respective bar(s); and/or the second array is provided by atomic layer deposition, such that one or more of the second bars differs in at least one property from one or more other of the second bars and/or such that of one or more of the second bars at least one property varies along a longitudinal direction of the respective bar(s).

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