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(54) **Title:** RADIATION HARDENED E-FUSE MACRO

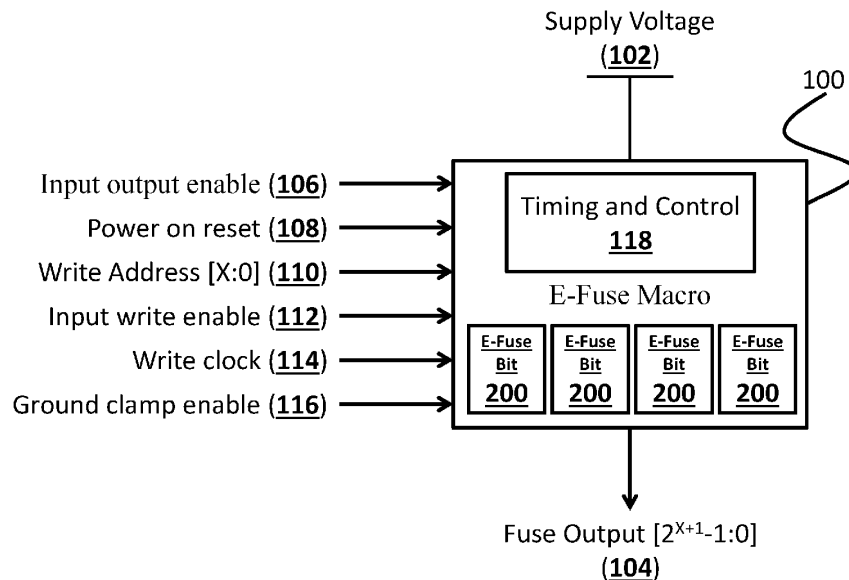


Figure 1

(57) **Abstract:** A multi-bit, asynchronous e-fuse macro, the macro comprising: the following inputs: an input output enable, a power on reset, a write address, an input write enable, a ground clamp enable, and a write clock; a plurality of e-fuse bits; a supply voltage configured to allow programming at least one of the e-fuse bits; at least one fuse output; and self-timing and control circuitry configured to perform signaling, wherein each of the inputs is in electrical communication with said e-fuse macro.

[Continued on next page]

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