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(71) Applicant: **QUANTUM DIGITAL SOLUTIONS CORPORATION** [US/US]; 4712 Admiralty Way, #522, Marina Del Rey, California 90292 (US).

(72) Inventors: **JOHNSON, William C.**; 4712 Admiralty Way, #563, Marina Del Rey, California 90292 (US). **KHACHATRYAN, Gurgun**; 4143 Via Marina # 816, Marina Del

Rey, California 90292 (US). **ISPIRYAN, Karen**; 1241 5th Street, Santa Monica, California 90401 (US).

(74) Agent: **SCHALDENBRAND, Michael A.** et al.; RMCK Law Group, PLC, P.O. Box 210280, Auburn Hills, Michigan 48321 (US).

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(54) Title: INFORMATION THEORY GENOMICS-ENABLED HYPER-SCALABILITY

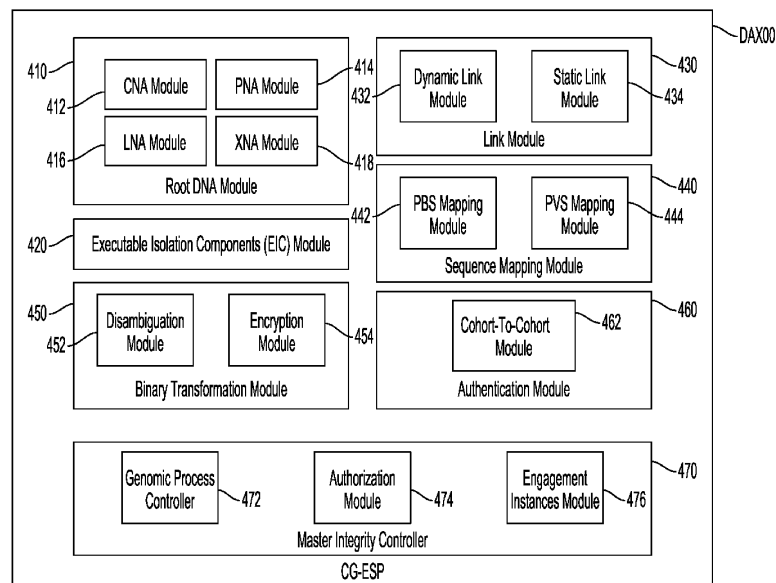


FIG. 4

(57) Abstract: The present disclosure relates to Information Theory-facilitated security platforms and corresponding digital genomic constructions that exhibit controlled entropy yet are subject to digital modification and reconstruction by computationally complex functions and processes without loss of genomic integrity. These constructions enable formation of comprehensively secure hyper-scalable digital ecosystems, enclaves, and/or digital cohorts having mutual identity of interests, and application specific security architectures based on genomic network topologies that are interoperable with contemporary application and networks stacks.

[Continued on next page]

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