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**Kermani**

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[54] **UNIFORM MESH CLOCK DISTRIBUTION SYSTEM**

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[57] **ABSTRACT**

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[51] **Int. Cl.**<sup>7</sup> ..... **G11C 5/06**

[52] **U.S. Cl.** ..... **365/63; 365/233; 365/149**

[58] **Field of Search** ..... **365/63, 233, 148, 365/149**

A mesh clock distribution system for reducing errors in synchronous systems caused by clock skew. The mesh clock distribution apparatus includes a mesh and a set of delivery conductors coupling a clock source to the mesh. The mesh is formed of a set of signal paths that interconnect at a set of nodes, wherein at least three of the interconnecting signal paths form the sides of a closed equilateral polygon. The set of delivery conductors transmit the clock signal to the nodes and the nodes distribute the clock signal along the length of the signal paths. Clocked elements in the synchronous system are connected to the signal paths and receive the clock signal from the signal paths.

[56] **References Cited**

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**17 Claims, 6 Drawing Sheets**

