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METHOD OF EMBEDDING DATA IN A DIGITAL SIGNAL



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MEGA-TREND

- **Wireless Intelligence**
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TECHNOLOGY READINESS LEVEL (TRL)

- **TRL 3**

PATENT/ GRANTED NUMBER

- **MY-183565-A**

▶ TECHNOLOGY OVERVIEW

A method of embedding payload data into random digital signal is described. The method involves looking for frequent tuple and tuple with zero occurrences. The random signal is parsed using length of tuple $[\lambda]$ into parsed signal $[X\lambda]$ so that parsed signal $[X\lambda]$ has tuple with zero occurrence. Then, frequent tuple is set as bright tuple and tuple with zero occurrence is set as soft tuple. Each element of bright tuple set is associated with each element in soft tuple set. Next, bright tuple set is matched with payload and switching of bright tuple into associated soft tuple is performed based on payload string.

The data embedded can be reversible to recover original random data and payload.

CONTACT US!

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