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(54) Title of the invention : BACKHAUL SIGNAL COMPRESSION THROUGH SPATIAL TEMPORAL LINEAR PREDICTION

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(57) Abstract :

The technology in this application compresses multi antenna complex valued signals by exploiting both a spatial and a temporal correlation of the signals to remove redundancy within the complex valued signals and substantially reduce the capacity requirement of backhaul links. At a receiver the compressed signal is received and a decompressor decompresses the received signal over space and over time to reconstruct the multiple antenna stream.

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