

Title (en)

NON-LINEAR FEEDBACK CONTROL LOOPS AS SPREAD SPECTRUM CLOCK GENERATOR

Title (de)

NICHTLINEARE REGELSCHLEIFEN ALS SPREIZSPEKTRUM-TAKTGENERATOR

Title (fr)

BOUCLES D'ASSERVISSEMENT NON LINEAIRES UTILISEES COMME GENERATEUR DE SIGNAL D'HORLOGE A ETALEMENT DU SPECTRE

Publication

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Application

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- US 74276405 P 20051206
- US 75604006 P 20060104
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Abstract (en)

[origin: WO2007056722A2] This patent disclosure presents circuits, systems and methods to spread a clock signal to produce a random spreading for the clock signal that offers the maximum possible power density reduction for the spurious radiations generated from the clock signal and its harmonics. These new inventions utilize a non-linear feedback control loop to assist in generation of the spread spectrum clock and result in electronic products that can pass the FCC requirements for spurious radiations generated by the clock signal and its harmonics without utilizing expensive shielding and other EMI suppression methods.

IPC 8 full level

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