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(71) Applicant: **KRATOS INTEGRAL HOLDINGS, LLC**
[US/US]; 10680 Treena Street, 6th Floor, San Diego, California 92131 (US).

(72) Inventors: **JARRIEL, Jeffrey David**; c/o Kratos Integral Holdings, LLC, 10680 Treena Street, 6th Floor, San Diego, California 92131 (US). **SUTTON, Daniel Joseph**; c/o Kratos Integral Holdings, LLC, 10680 Treena Street, 6th Floor, San Diego, California 92131 (US). **STOLTENBERG, Matthew James**; c/o Kratos Integral Holdings, LLC, 10680 Treena Street, 6th Floor, San Diego, California 92131 (US). **KING, Brandon Gregory**; c/o Kratos Integral Holdings, LLC, 10680 Treena Street, 6th Floor, San Diego, California 92131 (US).

(74) Agent: **CATANESE, Mark W.** et al.; c/o Procopio, Cory, Hargreaves & Savitch LLP, 525 B Street, Suite 2200, San Diego, California 92101 (US).

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(54) Title: SYSTEMS AND METHODS FOR CHANNEL SIMULATION OF SIGNALS REPRESENTATIVE OF A COMMUNICATION SIGNAL

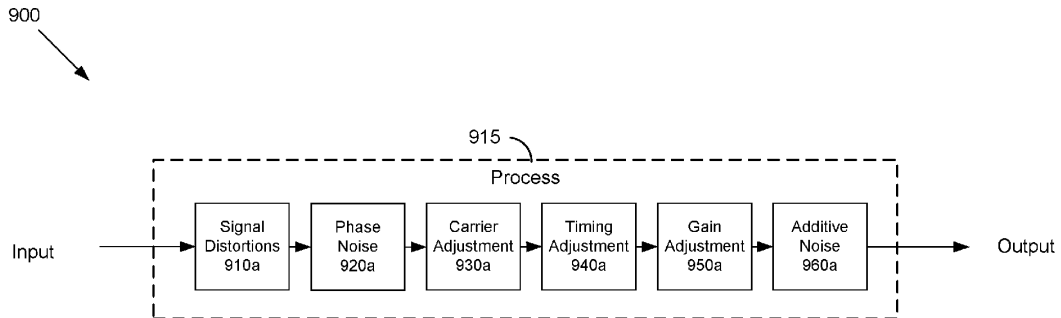


FIG. 9

(57) Abstract: Embodiments of systems and methods for simulating a downlink signal representative of a communication signal are provided herein. An example method comprises receiving an input signal; in a first one or more processing blocks in a one or more processors, performing a first operation to determine first one or more simulated effects representative of one or more effects that result from movement of a source of the downlink signal; in a second one or more processing blocks in the one or more processors in parallel with the first one or more processing blocks, performing a second operation to determine second one or more simulated effects representative of the one or more effects that result from movement of the source of the downlink signal; generating a simulated downlink signal by applying the first and second one or more simulated effects to the input signal; and outputting the simulated downlink signal.

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