

Title (en)
TRANSMITTER AND METHOD OF TRANSMISSION USING SEPARATE PHASE AND AMPLITUDE MODULATORS

Title (de)
SENDER UND VERFAHREN ZUR ÜBERTRAGUNG UNTER VERWENDUNG GETRENNTER PHASEN- UND AMPLITUDENMODULATOREN

Title (fr)
SYSTEMES D'EMETTEUR A ONDES ELECTROMAGNETIQUES, PROCEDES ET ARTICLES DE FABRICATION

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Application
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Abstract (en)
[origin: WO2004034603A2] A transmitter comprises a baseband processor, a wideband phase modulator and an amplitude modulated amplifier. A signal is provided through the baseband processor and is converted into polar coordinates, comprised of amplitude and phase components, with the amplitude component being transmitted to the amplitude modulated amplifier. The amplitude modulated amplifier being comprised of independently controllable current sources, and with the phase component being transmitted to the wideband phase modulator, for modulation upon a carrier wave, and subsequent transmission to the amplitude modulated amplifier for amplification according to control imposed by the amplitude component upon the current sources.

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