

Title (en)
POLAR MODULATION SYSTEM

Title (de)
POLARMODULATIONSSYSTEM

Title (fr)
SYSTÈME DE MODULATION POLAIRE

Publication
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Application
EP 06842443 A 20061212

Priority

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Abstract (en)
[origin: WO2007069193A2] A system and a method for polar modulation achieved via generation of a multi-level pulse width modulated signal. The system in overview comprises a base-band pre-distortion element producing a pre-distorted signal carrying the amplitude information of the base-band signal, two comparators providing two inter-related pulse width modulated signals and a combination and amplification stage that provides a third pulse width modulated radio frequency signal carrying the amplitude and the phase of the base-band signal. The first and second comparators compare a radio -frequency signal carrying the phase information of the base-band signal with the pre-distorted signal and an inverted copy of the pre-distortion signal respectively.

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