

Title (en)
SUPRESSED CYCLE BASED CARRIER MODULATION USING AMPLITUDE MODULATION

Title (de)
UNTERDRÜCKTE PERIODE TRÄGERMODULATION MIT AMPLITUDENMODULATION

Title (fr)
MODULATION DE PORTEUSE BASEE SUR LE CYCLE SINUSOIDAL UTILISANT LA MODULATION EN AMPLITUDE

Publication
EP 1410591 A2 20040421 (EN)

Application
EP 01979463 A 20011004

Priority
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• US 91605401 A 20010726

Abstract (en)
[origin: WO03013089A2] A sinusoidal RF carrier is modulated for the transmission of digital binary data streams through the amplitude supression of carrier wavelets, which are defined between zero crossover positions representing zero energy locations. This modulation is accomplished when the carrier is slightly amplitude modulated with a modulation signal that is equal in frequency to the carrier itself and the modulation always begins or ends upon the exact zero voltage crossing point of the RF cycle phase. The modulation is applied as a slight shift of the amplitude of any single cycle, each cycle representing a single bit of data. A single cycle of RF will either represent a "1" or "0" depending upon the amplitude of the cycle, relative to other adjacent cycles in the same carrier.

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Citation (search report)
See references of WO 03013089A2

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