

Title (en)
TRANSMITTER AND FREQUENCY HOPPING METHOD OF THE SAME

Title (de)
SENDER UND FREQUENZSPRUNGVERFAHREN DAFÜR

Title (fr)
ÉMETTEUR ET PROCÉDÉ DE SAUT DE FRÉQUENCE ASSOCIÉ

Publication
EP 1820314 A4 20130109 (EN)

Application
EP 05820706 A 20051207

Priority

- KR 2005004186 W 20051207
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Abstract (en)
[origin: WO2006062355A1] Provided are a transmitter and a frequency hopping method thereof. The transmitter includes: a channel encoder outputting a bit stream of encoded information data; a symbol mapper outputting a symbol stream obtained by constellating the bit stream; a frequency allocation and hopping part determining a frequency to be allocated to the symbol stream; and a multi-carrier modulator loading and outputting the symbol stream output by the frequency allocation and hopping part on a multi-carrier, wherein the frequency allocation and hopping part comprises a logical frequency mapping part determining a frequency capable of optimally averaging adjacent cell interference, and a physical frequency mapping part mapping the determined frequency one-to-one and determining a frequency.

IPC 8 full level
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CPC (source: EP)
H04L 5/0037 (2013.01); **H04L 5/0046** (2013.01); **H04L 5/0007** (2013.01)

Citation (search report)

- [X] WO 2004077777 A1 20040910 - NORTEL NETWORKS LTD [CA]
- [I] US 6711120 B1 20040323 - LAROKA RAJIV [US], et al
- See references of WO 2006062355A1

Designated contracting state (EPC)
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