

Title (en)

ASYMMETRIC RELAY COMMUNICATION SYSTEM BETWEEN UP-AND DOWN-LINKS

Title (de)

ASYMETRISCHES RELAYKOMMUNIKATIONSSYSTEM ZWISCHEN AUFWÄRTS-ABWÄRTSSTRECKEN

Title (fr)

SYSTÈME DE COMMUNICATION À RELAIS ASYMÉTRIQUE ENTRE DES LIAISONS MONTANTE ET DESCENDANTE

Publication

EP 2036218 A4 20140730 (EN)

Application

EP 07746238 A 20070427

Priority

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- KR 20060054879 A 20060619

Abstract (en)

[origin: WO2007148871A1] The present invention has an asymmetric structure in which a down-link signal from a central station to terminals and an up-link signal from the terminals to the central station are transmitted through paths different from each other. Especially, the present invention adopts a relay data transmission in a process of transmitting the up-link signal in which the up-link signal from a terminal in a lower layer is received by a terminal in an upper layer and then the signal is transmitted to the next upper layer. Moreover, the layer of the terminal (20) is set based on layer information transmitted from the central station (10). The central station (10) adjusts the intensity of a radio signal carrying the layer information at a level suitable for the layer and transmits the signal, and the terminal (20) having received such a signal sets its layer based on the layer information received from the central station (10).

IPC 8 full level

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CPC (source: EP KR)

H04W 8/24 (2013.01 - EP KR); **H04W 16/30** (2013.01 - KR); **H04W 40/22** (2013.01 - KR); **H04W 84/22** (2013.01 - KR); **H04W 16/30** (2013.01 - EP); **H04W 40/22** (2013.01 - EP); **H04W 84/22** (2013.01 - EP); **Y02D 30/70** (2020.08 - EP KR)

Citation (search report)

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- [A] US 6359714 B1 20020319 - IMAJO YOSHIHIRO [JP]
- [A] EP 0736982 A2 19961009 - FUJITSU LTD [JP]
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- [A] "Definition of identified new relay based radio network deployment concepts and first assessment by comparison against benchmarks of well known deployment concepts using enhanced radio interface technologies", INTERNET CITATION, 3 November 2004 (2004-11-03), XP002359228, Retrieved from the Internet <URL:https://www.ist-winner.org/Deliverabledocuments/D3-1.pdf> [retrieved on 20051215]
- See references of WO 2007148871A1

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DOCDB simple family (publication)

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