Marvell Semiconductor, Inc. v. Uniloc 2017 LLC

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Patent Owner's Demonstrative Exhibits

Before JAMESON LEE, KEVIN F. TURNER, MICHELLE N. WORMMEESTER, Administrative Pa

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'676 Patent to Bernhard Walke and Stefan I

(12) United States Patent Walke et al.

- (54) METHOD, NETWORK AND CONTROL STATION FOR THE TWO-WAY ALTERNATE CONTROL OF RADIO SYSTEMS OF DIFFERENT STANDARDS IN THE SAME FREQUENCY BAND
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- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 411 days.
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- H04Q 7/20 (52) U.S. Cl. (2006.01)**455/434**; 455/553.1; 455/434.2; 370/466; 370/467

- US 7,016,676 B2 (10) Patent No.: (45) Date of Patent: Mar. 21, 2006
- (58) Field of Classification Search

See application file for complete search history.

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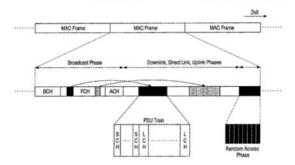
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The invention relates to an interface-control protocol method for a radio system, which has at least one frequency band provided for the two-way alternate utilization of a first and a second radio interface standard. The radio system comprises a number of stations, which each function in accordance with a first radio interface standard and/or in accordance with a second radio interface standard, in which a control station is provided that controls the two-way alternate utilization of the frequency band.

9 Claims, 3 Drawing Sheets



DEMONSTR



Claim 1

1. An interface-control protocol method for a radio system which one common frequency band that is provided for alternate use by a second radio interface standard, the radio system comprising:

stations which operate in accordance with a first radio interfa and/or a second radio interface standard, and

a control station which controls the alternate use of the frequence

wherein the control station controls the access to the common band for stations working in accordance with the first radio interface and renders the frequency band available for access by the stations accordance with the second radio interface standard if stations accordance with the first radio interface standard do not request accordance with the first radio interface standard do not request accordance with the first radio interface standard do not request accordance with the first radio interface standard do not request accordance with the first radio interface standard do not request accordance with the first radio interface standard do not request accordance with the first radio interface standard do not request accordance with the first radio interface standard do not request accordance with the first radio interface standard do not request accordance with the first radio interface standard do not request accordance with the first radio interface standard do not request accordance with the first radio interface standard do not request accordance with the first radio interface standard do not request accordance with the first radio interface standard do not request accordance with the first radio interface standard do not request accordance with the first radio interface standard do not request accordance with the first radio interface standard do not request accordance with the first radio interface standard do not request accordance with the first radio interface standard do not request accordance with the first radio interface standard do not request accordance with the first radio interface standard do not request accordance with the first radio interface standard do not request accordance with the first radio interface standard do not request accordance with the first radio interface standard do not request accordance with the first radio interface standard do not request accordance with the first radio interface standard do not request accordance with the first radio interface standard do not request

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Claim 6

6. An interface-control protocol method for a radio system which one common frequency band that is provided for alternate use by a second radio interface standard, the radio system comprising:

stations which operate in accordance with a first radio interfa and/or a second radio interface standard, and

a control station which controls the alternate use of the frequency bar

wherein the control station terminates the use of the radio accordance with the second radio interface standard by transaccordance with the first radio interface standard, without taking resulting interference in stations working in accordance with the second interface standard.





Claim 7

7. An interface-control protocol method for a radio system which one common frequency band that is provided for alternate use by a second radio interface standard, the radio system comprising:

stations which operate in accordance with a first radio interfa and/or a second radio interface standard, and

a control which controls the alternate use of the frequency band

wherein the control station controls the access to the common band by stations working in accordance with the first radio interface and in that duration and type of control of the radio interface in with the second radio interface standard is determined by a further transmitted to the control station.

DEMONSTR



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