Patent Owner's Demonstratives

Apple, Inc. et al.,
v.
Uniloc 2017 LLC,

Case IPR2019-00510
U.S. Patent No. 6,868,079

Oral Hearing
April 23, 2020

Independent Claim 17

17. A method of operating a radio communication system, comprising:

allocating respective time slots in an uplink channel to a plurality of respective secondary stations; and

transmitting a respective request for services to establish required services from at least one of the plurality of respective secondary stations to a primary station in the respective time slots;

wherein the at least one of the plurality of respective secondary stations re-transmits the same respective request in consecutive allocated time slots without waiting for an acknowledgement until said acknowledgement is received from the primary station,

wherein the primary station determines whether a request for services has been transmitted by the at least one of the plurality of respective secondary stations by determining whether a signal strength of the respective transmitted request of the at least one of the plurality of respective secondary stations exceeds a threshold value.

Independent Claim 17

"wherein the at least one of the plurality of respective secondary stations retransmits the same respective request in consecutive allocated time slots without waiting for an acknowledgement until said acknowledgement is received from the primary station" (claim 17)

- ✓ Petitioner's Reply admits the clear deficiency in Wolfe by conceding that "the Petition recognized that Wolfe did not fully disclose the retransmission limitation." Reply at 4.
- ✓ Petitioner's reliance on Bousquet's disclosure of systematic repetition of access packets in the predefined time period is unavailing, as such disclosure falls far short of the required showing of performing retransmission **in consecutive allocated time slots until said acknowledgement is received from the primary station**.

Paper 9 at 6.

Independent Claim 17

Bousquet's retransmission technique is distinguishable at least in that it sends the same access packet n times in a given time period, independent of whether or not an acknowledgement message is received from the station

- ✓ Bousquet discloses that "[t]he effect of the invention can be seen in FIG. 1 which shows the probability of collision between access packets as a function of the load on the temporally shared resource for n=l through 7 where n is the number of times the same access package is sent during a predetermined time period for a random ALOHA access system. Here the packet error rate is 1%." **EX 1006, 3:7-13.**
- ✓ Bousquet further discloses that "the invention proposes to send the same access packet n times (n> 1) in a given time period whether an acknowledgement message is received from the station to which these packets are sent or not." **2:53-56.**

Independent Claim 17

Everett does not cure the deficiencies of Wolfe and Bousquet. Uniloc raised the following non-exhaustive points in its briefing:

- ✓ Petitioner's Reply concedes Everett uses randomly selected time intervals.
- ✓ Petitioner fails to reconcile the citations to Everett with the unambiguous language of Bousquet, which teaches retransmission of requests a predefined number of times independent of whether an acknowledgement is received or not.

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