UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE PATENT TRIAL AND APPEAL BOARD

APPLE, INC., HTC CORPORATION, HTC AMERICA, INC., MICROSOFT CORPORATION, MICROSOFT MOBILE OY, MICROSOFT MOBILE INC., SAMSUNG ELECTRONICS CO., LTD., SAMSUNG ELECTRONICS AMERICA, INC., AND ZTE (USA) INC.,

Petitioner
v.
EVOLVED WIRELESS LLC,
Patent Owner

Cases IPR2016-00758, -00981, -1342, -1349, IPR2017-00068, and -00106
Patent 8,218,481 B2
Oral Argument – October 17, 2017

Evolved Wireless's Hearing Demonstratives

Outline

I. **Claim Construction**

II. **Panasonic references**

   A. **Teaching how**

   B. **Teaching away**

III. **IEEE Grounds**

   A. **Does not disclose claims properly construed**

   B. **Fail to meet burden of proof on combination with Tan**

Claim Construction

1. A method of transmitting a preamble sequence in a mobi[le]
   communication system, the method comprising: repeating
   specific sequence, having a length (L), N times to genera[te]
   consecutive sequence having a length (N*L); generating
   preamble sequence by concatenating a single cyclic prefi[x]
   to a front end of said consecutive sequence; and transmit[ting]
   a random access channel, said preamble sequence to a re[ceiving]
   side.

(Claim 1.)

Claim Construction

"[T]he claimed preamble sequence can only include one cy[...] prefix." (Response at 24.)

- – Despite the Board's "comprising" analysis (IRP2016-01349 ID a[...]
- – "This follows from the plain language, which requires 'concatena[...] *single* cyclic prefix.'" (Response at 24.)

Claim Construction

1. A method of transmitting a preamble sequence in a mobile communication system, the method comprising: repeating **a spec[ ] sequence**, having a length (L), N times to generate a consecutive[ ] sequence having a length (N*L); generating said preamble seque[ ] concatenating a single cyclic prefix (CP) to a front end of said consecutive sequence; and transmitting, on a random access char[ ] said preamble sequence to a receiving side.

2. The method of claim 1, further comprising generating said specif[ ] sequence from a Constant Amplitude Zero Auto Correlation (CA[ ] sequence.

3. The method of claim 2, further comprising applying a cyclic shift t[ ]

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