

## Petitioners' Oral Hearing Demonstratives

Apple Inc. and HP Inc. (Petitioners)  
v.  
XR Communications LLC (Patent Owner)

Case No. IPR2022-00367  
U.S. Patent No. 10,715,235

Before Hon. James Mayberry, Miriam Quinn, and Barbara Parvis

**FISH.**

DEMONSTRATIVE EXHIBIT - NOT EVIDENCE

## Instituted Grounds

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35 USC 103(a) Ground	Claim(s) Challenged
Burke	8-12
Burke and Shull	13, 14

\* Independent claim noted in *green*

Petition (Pet.), 2; Institution Decision (ID), 7.

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Issues/Discussion Topics	
Burke's mobile station has a plurality of antenna elements (feature [8a])	10
Burke's disclosure renders obvious a mobile station having two antenna elements receiving two signals simultaneously (feature [8a])	14
Burke discloses sending two signal transmissions with different signal information (feature [8d])	26
Burke's pre-correction processor can be similarly implemented in Burke's mobile station and base station (feature [8e])	30

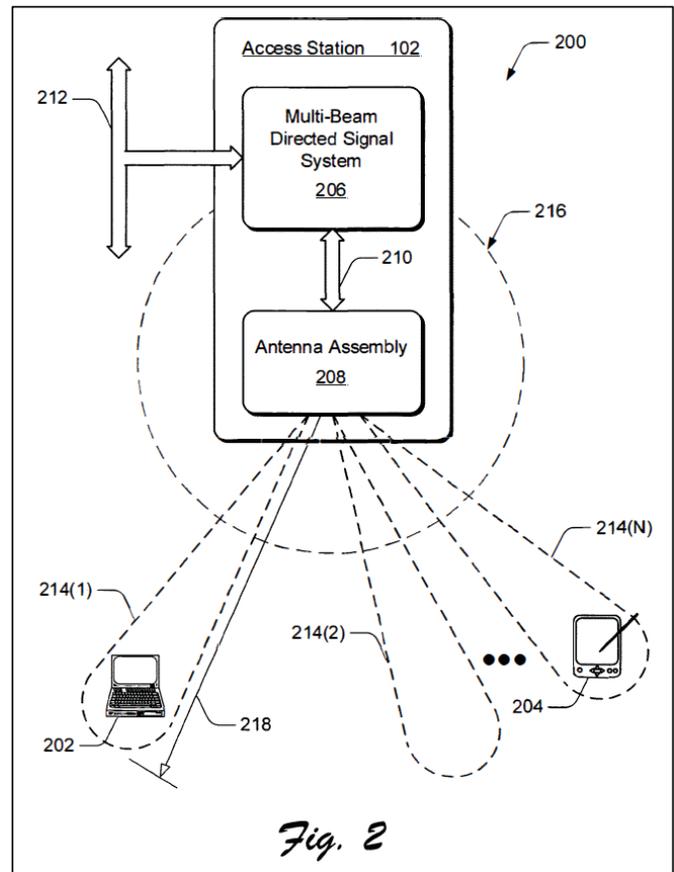
## The '235 Patent

“The '235 Patent discloses “a multi-beam directed signal system [that] coordinates directed wireless communication with [a] client.”

Pet., 4 (citing EX1001 ('235 patent), 2:7-16).

“[S]ignals ... are received via antenna array [ ] and are provided to the signal control and coordination logic 304” for further processing (e.g., routing, applying weights).

EX1001, 24:34-60; Pet., 5-6.



EX1001, FIG. 2.

## The '235 Patent – Independent Claim 8

[8pre] A method in a wireless communications system, the method comprising:

[8a] receiving a first signal transmission from a remote station via a first antenna element of an antenna and a second signal transmission from the remote station via a second antenna element of the antenna simultaneously,

[8b] wherein the first signal transmission and the second signal transmission comprise electromagnetic signals comprising one or more transmission peaks and one or more transmission nulls;

[8c] determining first signal information for the first signal transmission;

[8d] determining second signal information for the second signal transmission, wherein the second signal information is different than the first signal information;

[8e] determining a set of weighting values based on the first signal information and the second signal information, wherein the set of weighting values is configured to be used by the remote station to construct one or more beam-formed transmission signals; and

[8f] transmitting to the remote station a third signal comprising content based on the set of weighting values.

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