Petitioner Oral Hearing Demonstratives

Apple Inc. and LG Electronics Inc. (Petitioners)
v.
Uniloc 2017 LLC (Patent Owner)

Case No. IPR2019-00251
U.S. Patent No. 6,993,049

Before Hon. Sally C. Medley, Jeffrey S. Smith, and Garth D. Baer
Administrative Patent Judges

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Background

Overview of the '049 Patent

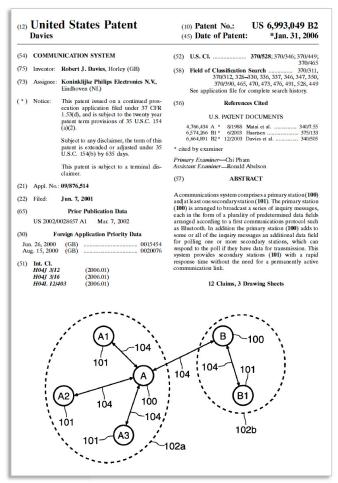Ex. 1001 ('049 Patent): Face

- U.S. Patent No. 6,993,049 (the "'049 Patent" or "Ex. 1001") has an earliest priority claim to GB patent application 0015454 filed June 26, 2000.

- Challenged Claims
  - Independent method claim 11
  - Dependent claim 12

Ex. 1001, Face, 7:29-8:50;
Pet. (Paper 2), 2

Background/Problem

'049 Patent

> The present invention relates to a communication system and further relates to primary and secondary stations for use in such a system and to a method of operating such a system. Although the present invention is described with particular reference to a Bluetooth system, it is applicable to a range of other communication systems.

Ex. 1001, 1:3-7; Pet. 3-4

> One application for which use of Bluetooth is proposed is the connection of controller devices to host systems. A controller device, also known as a Human/machine Interface Device (HID), is an input device such as a keyboard, mouse, games controller, graphics pad or the like. Such HIDs do not typically require a link having high data throughput, but do require a very responsive link.
>
> A Bluetooth system is more than capable of supporting the throughput requirements of HIDs. However, the degree of responsiveness required can be more difficult to achieve. An active Bluetooth link can offer a reasonably responsive service, but this requires both setting up of the link and its maintenance even during periods of inactivity.

Ex. 1001, 1:27-49

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> 32.   However, HIDs have several potential problems when setting up a link with a wireless communication network. For example, to set up a link, a HID has to execute connection procedures (e.g., inquiry and page procedures) that are performed over tens of seconds, resulting in delays for the HID to join the network. Ex. 1001, 1:34-61. Inefficiencies also occur if the HID is designed to connect to the network automatically when a host system is turned on, because the HID has "to be regularly waking up to look for ... inquiry bursts, thereby consuming power, or it will need to be manually woken up by the user." Ex. 1001, 1:62-2:3.

Ex. 1003, ¶ [32]; Pet. 3-4

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