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Wike et al.

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(54) **POWER AMPLIFIER SYSTEM WITH AN INTERNAL OPTICAL COMMUNICATION LINK**

(58) **Field of Classification Search**
CPC . H04B 10/801; H03F 3/20; H03F 3/21; H03F 3/211; H03F 3/213; H03F 3/217;
(Continued)

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H04B 10/00 (2013.01)

H04B 10/2507 (2013.01)

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(57) **ABSTRACT**

Techniques for implementing an internal optical communication link in a power amplifier system are disclosed. In one embodiment, the techniques may be realized as a power amplifier system that includes a panel, an optical link, and a controller. The panel includes a plurality of signal endpoints and a first optical interface, the first optical interface being coupled to each of the plurality of signal endpoints. The optical link is coupled to the first optical interface. The controller is configured to manage operation of the power amplifier system and is coupled to the optical link via a second optical interface. The controller communicates with each of the plurality of signal endpoints over the optical link.

18 Claims, 21 Drawing Sheets

