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(54) **SIGNALING OVER RC-DOMINATED TRANSMISSION LINES**

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(71) Applicant: **NVIDIA Corporation**, Santa Clara, CA (US)

(57) **ABSTRACT**

(72) Inventors: **John Poulton**, Durham, NC (US);
Sanquan Song, Santa Clara, CA (US);
Xi Chen, Santa Clara, CA (US);
Walker Turner, Durham, NC (US);
Yoshinori Nishi, Santa Clara, CA (US);
John M. Wilson, Durham, NC (US)

The disclosure provides a signaling link that overcomes or at least reduces the limitations of RC-dominated signaling wires, improving both the bandwidth and the power consumption of signaling circuits. Both an AC and a DC signaling link are disclosed. In one example, a signaling link is provided that includes: (1) a transmitter including a passive equalizer, (2) an over-terminated receiver, and (3) a lossy channel having a first end connected to the passive equalizer and a second end connected to the receiver, wherein the lossy channel has a channel characteristic impedance that is lower than a terminating impedance of the passive equalizer and a termination impedance of the receiver.

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