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(54) **MULTI-DEVICE SYSTEM AND METHOD FOR PHASE ALIGNMENT OF DEVICES IN THE MULTI-DEVICE SYSTEM**

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

(72) Inventors: **Daniel GRUBER**, St. Andrae (AT); **Edwin THALLER**, Faak am See (AT); **Michael KALCHER**, Villach (AT)

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(57) **ABSTRACT**

A multi-device system and a method for phase alignment of multiple devices in a multi-device system. The system includes a plurality of devices, a plurality of clock dividers, and a delay circuit. The plurality of devices are configured to operate based on a first clock signal. The clock dividers are configured to generate a second clock signal from the first clock signal and provide the second clock signal to the devices. The delay circuit is configured to incur a specific delay to the second clock signal provided to the devices such that a phase of the second clock signal provided to the devices is spread over time. Each of the clock dividers may be reset based on a reference clock signal provided to each clock divider, and the delay circuit may incur the specific delay on the reference clock signal provided to each clock divider.