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(54) **SYSTEMS AND METHODS FOR A PERCEIVED LINEAR DIMMING OF LIGHTS**

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(57) **ABSTRACT**

A light dimming system includes one or more lights and includes a local light controller that includes a dimming controller and a processing circuit, the dimming controller configured to provide an output to the one or more light drivers. One or more electronic processors are configured to receive a dimming input value indicating a desired dimming level for the one or more lights. The processors are further configured to determine a configuration of the one or more light drivers, wherein the configuration defines whether the one or more light drivers utilize a non-linear dimming curve or a linear dimming curve, and provides the dimming controller a dimming level to output a dimming control signal to the one or more light drivers equivalent to the received dimming input value based on a non-linear or linear calculation.