



(54) **VIRTUAL BACKGROUND ADJUSTMENT
BASED ON CONFERENCE PARTICIPANT
LIGHTING LEVELS**

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(57) **ABSTRACT**

A system can automatically adjust a virtual background used by a participant in a video conference to match lighting level conditions present in a foreground of a participant video stream captured at a participant device. The matching can be done by adjusting one or more virtual background parameters, including but not limited to, exposure, brightness, contrast, and ISO. In some implementations, the system can dynamically or automatically adjust the lighting levels of the virtual background based on changes that may occur to the lighting level of the foreground during the video conference.

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