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(57) **Abstract:** An image correction system may include a head-mounted display, a server, and a local correction device. The head-mounted display includes a display configured to display one or more corrected images and one or more sensors configured to generate initial tracking information and updated tracking information, wherein the initial tracking information is associated with a first time point and the updated tracking information is associated with a second time point subsequent to the first time point. The local correction device is configured to: receive the tracking information from the head-mounted display, transmit the initial tracking information to a server, receive one or more rendered images from the server, generate the one or more corrected images based on the one or more rendered images and the updated tracking information, and transmit the one or more corrected images to the head-mounted display.

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GQ, GW, KM, ML, MR, NE, SN, TD, TG).

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- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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