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(54) **SYSTEM WITH HOLOGRAPHIC HEAD-UP DISPLAY**

(71) Applicants: **Arthur Y. Zhang**, San Jose, CA (US); **Graham B. Myhre**, San Jose, CA (US); **Hyungryul J. Choi**, San Jose, CA (US); **Matthew E. Last**, San Jose, CA (US)

(72) Inventors: **Arthur Y. Zhang**, San Jose, CA (US); **Graham B. Myhre**, San Jose, CA (US); **Hyungryul J. Choi**, San Jose, CA (US); **Matthew E. Last**, San Jose, CA (US)

(73) Assignee: **Apple Inc.**, Cupertino, CA (US)

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CPC ***G02B 27/0101*** (2013.01); ***B60K 35/00*** (2013.01); ***G02B 27/0103*** (2013.01); *B60K 2370/29* (2019.05); *G02B 2027/0105* (2013.01)

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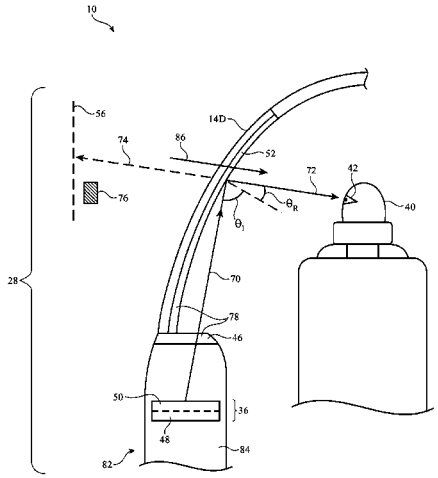
Primary Examiner — Arnel C Lavarias
(74) *Attorney, Agent, or Firm* — Treyz Law Group, P.C.; Kendall W. Abbasi

(57) **ABSTRACT**

A vehicle may have a head-up display that produces a display output allowing a viewer in the vehicle to observe two-dimensional or three-dimensional content. The head-up display may include a display unit that produces the display output and an optical combiner on a vehicle window that directs the display output towards the viewer. The optical combiner may be a holographic or diffractive optical ele-

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