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(54) Title: METASURFACES FOR LASER SPECKLE REDUCTION

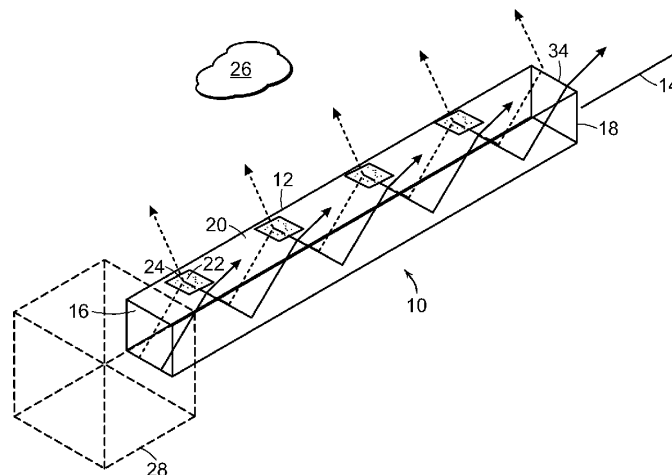


FIG. 1

(57) Abstract: An apparatus that relies on patterned metasurfaces to reduce speckle when illuminating an object with coherent light. The metasurfaces serve to increase one or more of angle diversity and wavelength diversity resulting from illumination by a coherent source.

WO 2020/010084 A1