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(54) Title (EN): HEAD-UP DISPLAY MIRROR WITH IMPROVED SURFACE AND EDGE QUALITY AND METHODS FOR FORMING THE SAME

(54) Title (FR): MIROIR D'AFFICHAGE TÊTE HAUTE À SURFACE ET QUALITÉ DE BORD AMÉLIORÉES ET PROCÉDÉS DE FORMATION DE CELUI-CI

(57) Abstract:

(EN): A head-up display (HUD) mirror that includes a mirror substrate with a first major surface with a concave shape, a second major surface opposite to the first major surface and with a convex shape, and a minor surface connecting the first and second major surfaces. The HUD mirror also a reflective layer disposed on the first major surface. The first major surface has a first surface roughness Ra of 3 nm or less and a peak to valley (PV) roughness of less than 30 nm, and the mirror substrate is a glass or glass-ceramic material.

(FR): Miroir d'affichage tête haute (HUD) qui comprend un substrat de miroir ayant une première surface principale ayant une forme concave, une deuxième surface principale opposée à la première surface principale et ayant une forme convexe et une surface mineure reliant les première et deuxième surfaces principales. Le miroir HUD comprend également une couche réfléchissante disposée sur la première surface principale. La première surface principale a une première rugosité de surface Ra de 3 nm ou moins et une rugosité de pic/vallée (PV) inférieure à 30 nm et le substrat de miroir est un matériau de verre ou de vitrocéramique.

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