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## “Glare reducing glasses for car drivers”

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## SUMMARY

The proposed technical solution is described in the context of glare protection in the case of the car driving during the night (in particularly on the highways). However, it would be appreciated to understand that the features of the glare protective glasses are described for the right side driving (left driving requires adequate changes!). Finally, it would also be appreciated to understand that, most of the features can be adequately used also for glare protection in the case of the sunlight (incident at low angles  $\approx$  everything rotated for  $90^\circ$ ) or other sources of strong,  $\sim$  collimated light:

1. The glare caused to the car drivers by the headlights of the cars driving in the opposite direction during the night (in particularly on the highway) can be highly annoying and can result in substantial hazard.
2. The mechanical shades, as used in the car to protect driver's eyes (e.g. from direct sunlight), are not very efficient even if adequately modified, as they are located far from the driver's head and require too much of the head movement to protect the driver's eyes.
3. The classical mechanical shades can be replaced by active optical light shutters (e.g. LCD, electrochromic,...). As the latter can be placed close to the driver's eyes ( $\leftrightarrow$  glare reducing glasses), such a technical solution results in significantly increased efficiency - eye protection is assured already with a minimum adjustment of the positioning of the head or motion of the eye!

NOTE: The patent application is in the process of patent application with EU Patent office. The complete text will be available only after the patent application is formally filed