

ABSTRACT

**DEVICE FOR THE AERIAL AND VIRTUAL PROJECTION OF AN
AUTOSTEREOSCOPIC IMAGE OR OF A SEQUENCE OF
5 AUTOSTEREOSCOPIC IMAGES, IN PARTICULAR FOR USE IN A
MOTOR VEHICLE**

The invention relates to a system for the aerial and virtual projection of an autostereoscopic image intended for an observer, said system comprising: a housing
10 (30) comprising an opaque upper wall (20) extending parallel to a plane, called horizon plane, and provided with an opening; a front face mirror (10) inclined, for example at an angle of 45° , relative to said horizon plane passing through said opening, said mirror having a reflective surface oriented towards said observer; a concave mirror (14) arranged at the base of the front face mirror, facing said
15 opening and oriented such that its concave and reflective surface is oriented towards said inclined mirror; a display screen (16) for displaying an autostereoscopic image extending substantially perpendicular to said horizon plane, arranged below the opaque upper wall at a distance from the middle of the image of the concave mirror formed by the inclined mirror that is equal to the radius of curvature of said concave
20 mirror, said screen being fitted with a lenticular array, the pitch of which is determined in order to be able to compensate for its apparent modification after reflecting on said concave mirror.