

ABSTRACT

"Self-Emission Road Stud"

A self-emission road stud is designed to be embedded in a road with its head protruding from the road surface, a series of such studs being spaced at intervals to form an indication of a route required or, stop line for example. A self-emission road stud is a road stud of the type which includes an internal light source for spontaneously emitting light from the stud. This self-emission road stud has a body 2 having a reduced-diameter bottom portion serving as a retaining leg 1, the body 2 being in the form of an open-topped metal vessel provided with a relatively thin lid 13 made of transparent material such as polycarbonate, acrylic, or hard glass fitted to the open top of the vessel. The light source 9 is positioned under the lid 13, and parts of the inside and outside of the lid 13 are provided with bevelled surface 16, 17 so that the light source 9 emits light through the bevelled surfaces. Such a road stud can be manufactured in a straightforward manner, and, in use, protrudes from the road surface to only a limited extent whilst providing efficient emission of light.

Figures 1 and 5 to accompany abstract when published