

OPTICAL DETECTION DEVICE, AND APPARATUS USING SAME**ABSTRACT**

Each lens of a multi-segment lens is a Fresnel lens in which a second
5 surface, being the reverse side surface of a first surface, has a plurality of
lens surfaces. At least one of the plurality of lens surfaces is configured
from a part of a side surface of an elliptical cone having a central axis oblique
to a normal line of the first surface. Any normal line intersecting with the
lens surface configured from the part of the side surface of the elliptical cone
10 among normal lines of respective points on the first surface is non-parallel to
a central axis of the elliptical cone corresponding to the lens surface with
which the any normal line intersects.

(Figure 1A)