

OPTICAL INSPECTING APPARATUS WITH AN OPTICAL SCREENING DEVICE

ABSTRACT OF DISCLOSURE

An optical screening device includes a box and a light source. The
5 box includes two chambers. The first chamber includes an incident
passageway made with an exit. The second chamber includes a reflection
passageway made with an entrance and an exit. The light source is inserted
in the first chamber and adapted for casting incident light onto a first face of
an inspected object located out of the box through the exit of the incident
10 passageway so that primary reflected light goes into the second chamber
from the first face of the inspected object via the entrance of the reflection
passageway and goes out of the second chamber through the exit of the
reflection passageway. The entrance of the reflection passageway is made
with small width to allow only the primary reflected light to enter the second
15 chamber.

Figure 4