(54)   DETECTION OF A MOVABLE OBJECT WHEN 3D SCANNING A RIGID OBJECT

(57)   Disclosed is a method for detecting a movable
object in a location, when scanning a rigid object in the
location by means of a 3D scanner for generating a virtual
3D model of the rigid object, wherein the method com-
prises:
- providing a first surface by scanning the rigid object;
- determining a first scan volume related to the first sur-
face;
- providing a second surface by scanning the rigid object;
- determining a second scan volume related to the second
surface;
where the first scan volume and the second scan volume
are overlapping in an overlapping/common scan volume;
- if at least a portion of the first surface and a portion of
the second surface are not coincident in the overlap-
ping/common scan volume, then disregard the portion of
either the first surface or the second surface in the over-
lapping/common scan volume which is closest to the fo-
cusing optics of the 3D scanner, as this portion of the
first surface or second surface represents a movable ob-
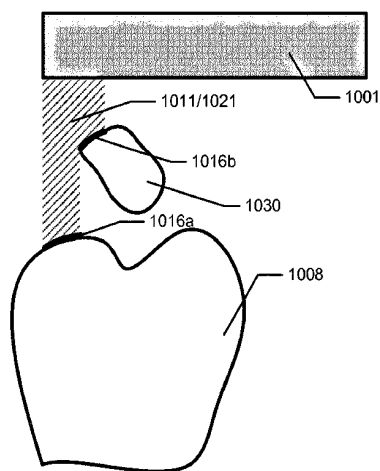ject which is not part of the rigid object.

Fig. 10a)

EP 3 401 876 A1