

Method And System Of Locating A Position Within A Human Body

Abstract

A method of locating a position within a human body where the method comprises selecting
5 a first target object within the human body, capturing an image of the human body,
identifying a first internal part within the human body perpendicularly beneath a first location
on a surface of the human body, determining a first distance from the first location to the first
internal part, mapping the image, the first location and the first distance onto a three
dimensional reference human model and deriving position of the first target object. A system
10 for locating a target position within a human body using an image of the human body and a
sub-epidermal depth of an internal part of the human body where the system comprises a
main module, an image module adapted to communicate the image to the main module and
a depth data module adapted to communicate the sub-epidermal depth to the main module.
The main module is configured to map the image and the sub-epidermal depth onto a three
15 dimensional reference human model and predict the target position.

Figure 1