COMPUTERISED BOUNDARY ESTIMATION IN MEDICAL IMAGES

ABSTRACT OF THE DISCLOSURE

A computerised boundary estimation technique (using prostate as an example) in medical images (ultrasound in particular), called Radial Bas-Relief, is disclosed. The imaging probe can be carried by a robot and shares the same reference frame as the robot. The prostate is scanned and the ultrasound images are fed into a computer which provides computational images processing. Such a method is employed to allow a quick and robust extract of the boundary of interest from transverse images taken transurethrally or transrectally or otherwise.

(FIG. 1)

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