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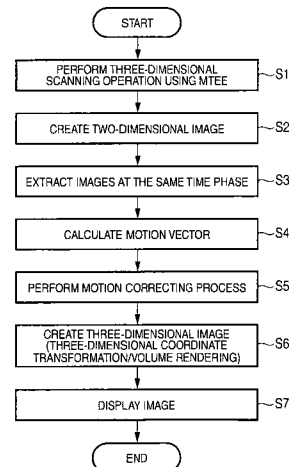
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(54) **Ultrasonic diagnostic apparatus, ultrasonic image processing apparatus, and ultrasonic image processing method**

(57) When scanning a three-dimensional region while rotating a scanning plane about a predetermined axis (rotation axis), an ultrasonic diagnostic apparatus calculates a motion vector of a motion scanning plane (ultrasonic sectional layer) using ultrasonic image data in the rotation axis and corrects a positional mismatch between the scanning planes using the calculated motion vector. The motion vector is calculated and the positional mismatch between the sectional layers, using at least one frame having a cardiac time phase close to the frame of which the motion should be corrected and being spatially close to the frame, in addition to the frames at the same cardiac time phase as the frame of which the motion should be corrected.

FIG. 3



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摘要(译)

当在围绕预定轴（旋转轴）旋转扫描平面的同时扫描三维区域时，超声诊断设备使用旋转轴上的超声图像数据计算运动扫描平面（超声波截面层）的运动矢量并校正使用计算的运动矢量在扫描平面之间的位置不匹配。计算运动矢量并且使用至少一个帧的心脏时间相位接近于应该校正运动的帧并且在空间上接近帧的截面层之间的位置不匹配，以及在帧处的帧。与应该校正运动的帧相同的心脏时相。

FIG. 3

