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**(54) Title (EN):** TREATMENT SYSTEM AND IMAGE GENERATION METHOD

**(54) Title (FR):** SYSTÈME DE TRAITEMENT ET PROCÉDÉ DE GÉNÉRATION D'IMAGE

**(54) Title (JA):** 治療システム、および、画像生成方法

**(57) Abstract:**

**(EN):** This treatment system comprises: a magnetic sensor that detects a bio-magnetic field generated by a living body to be treated; a catheter to be inserted into the living body; an image information processing unit that generates a composite image including an image indicating the strength of the bio-magnetic field and an image indicating the position of the catheter, by using bio-magnetic field information output from the magnetic sensor and position information on the catheter being inserted into the living body; and a display unit that displays the composite image.

**(FR):** La présente invention concerne un système de traitement comprenant : un capteur magnétique qui détecte un champ biomagnétique généré par un corps vivant à traiter ; un cathéter à insérer dans le corps vivant ; une unité de traitement d'informations d'image qui génère une image composite comprenant une image indiquant l'intensité du champ biomagnétique et une image indiquant la position du cathéter, en utilisant des informations de champ biomagnétique émises par le capteur magnétique et des informations de position sur le cathéter inséré dans le corps vivant ; et une unité d'affichage qui affiche l'image composite.

**(JA):** 治療システムは、治療対象の生体が発生する生体磁界を検出する磁気センサと、生体に挿入されるカテーテルと、磁気センサから出力される生体磁界情報と、生体に挿入されたカテーテルの位置情報とを用いて、生体磁界の強さを表した画像と、カテーテルの位置を表す画像とを含む合成画像を生成する画像情報処理部と、合成画像を表示する表示部と、を備える。

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