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(54) MULTI-DIMENSIONAL NAVIGATION OF

Gattani et al.

ENDOSCOPIC VIDEO

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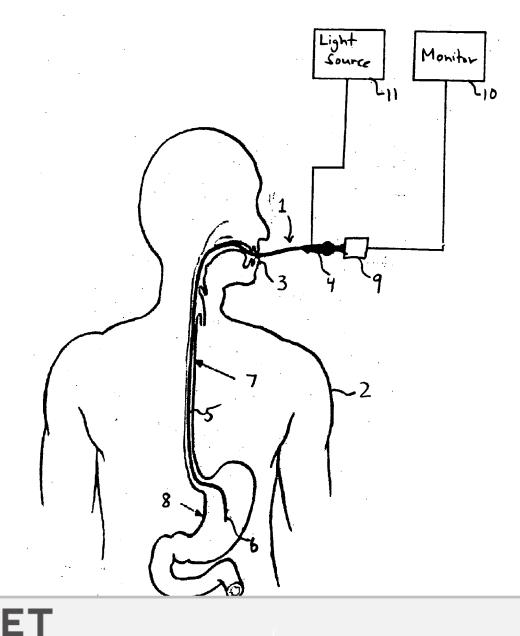
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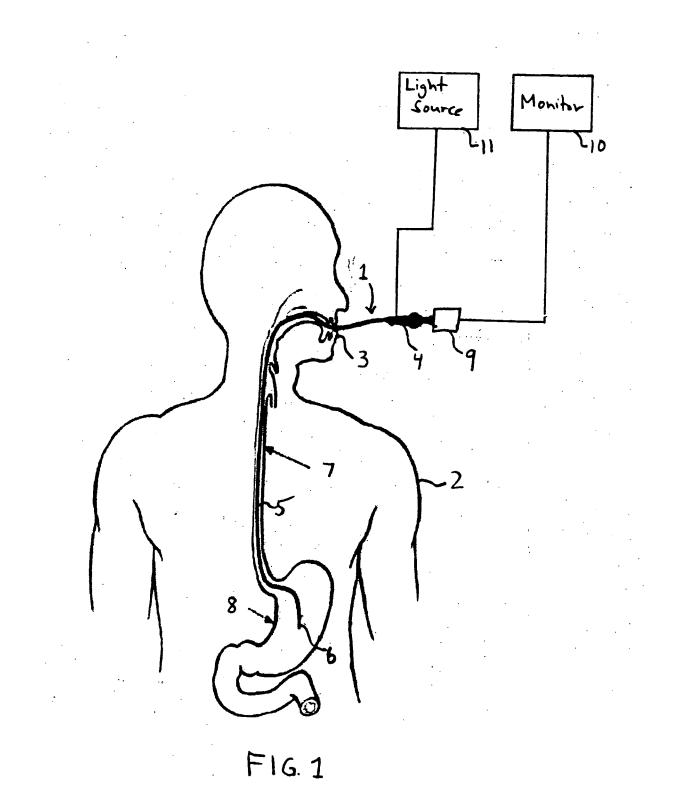
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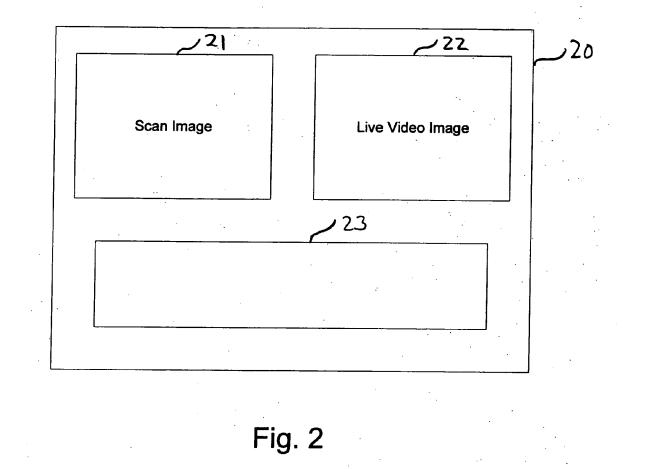
- (51) Int. Cl. A61B 1/04 (2006.01)A61B 1/00 (2006.01)
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- (57)ABSTRACT

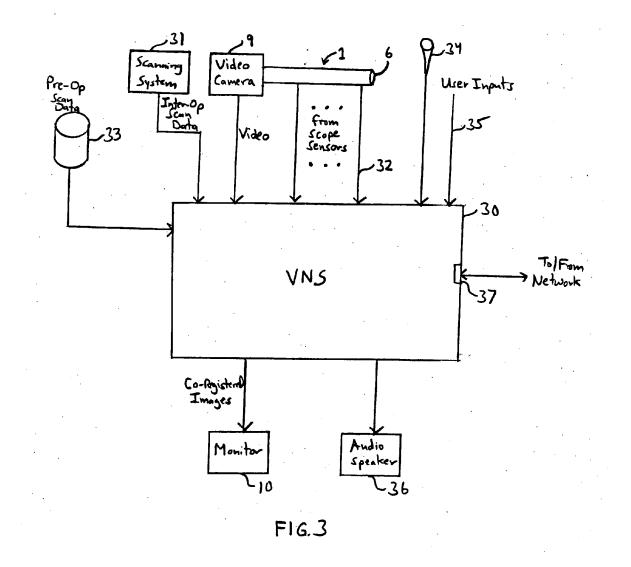
An endoscopic surgical navigation system comprises a multi-dimensional video generation module that enables a user to visually navigate captured endoscopic video with six degrees of freedom. This capability provides the user with control of a virtual camera (point of view) that can be translated in three orthogonal axes in 3-D space as well as allowing control of vertical panning (pitch), horizontal panning (yaw) and tilt (roll) of the virtual camera, as well as zoom.





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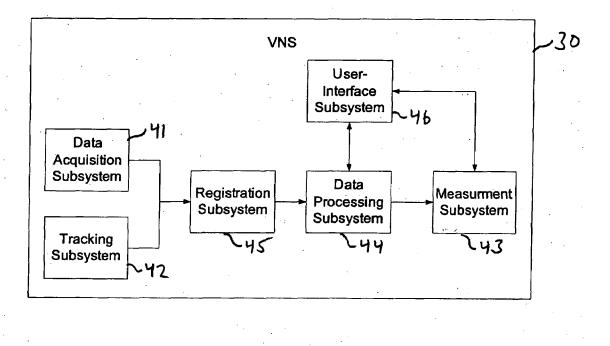


Fig. 4

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