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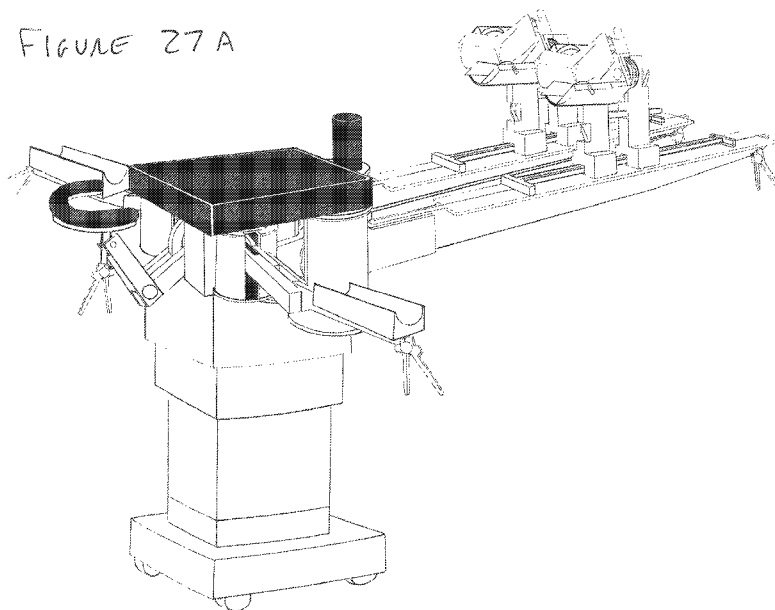
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(54) Title: AN ARTICULATING PATIENT POSITIONING APPARATUS

FIGURE 27A



(57) Abstract: An apparatus comprises means for engaging a patient platform. The means comprises at least one layer of laminar sheeting of radio lucent material. At least one anatomical support member which comprises at least one layer of laminar sheeting of radio lucent material. At least one articulating joint unit is in engagement with the at least one of anatomical support member. The at least one articulating joint unit comprise at least one layer of laminar sheeting of radio lucent material with a primarily non-metallic connector at a central pivot point. The at least one articulating joint unit is positionable in at least a vertical and horizontal orientations enabling positioning of portions of an anatomy in three dimensions along x, y, and z axes. At least one primarily non-metallic locking member is configured to lock the at least one articulating joint unit at selectable position(s), in which a load bearing stress is spread across lengths of the laminar sheeting to mitigate a susceptibility to stress fractures and load failure.