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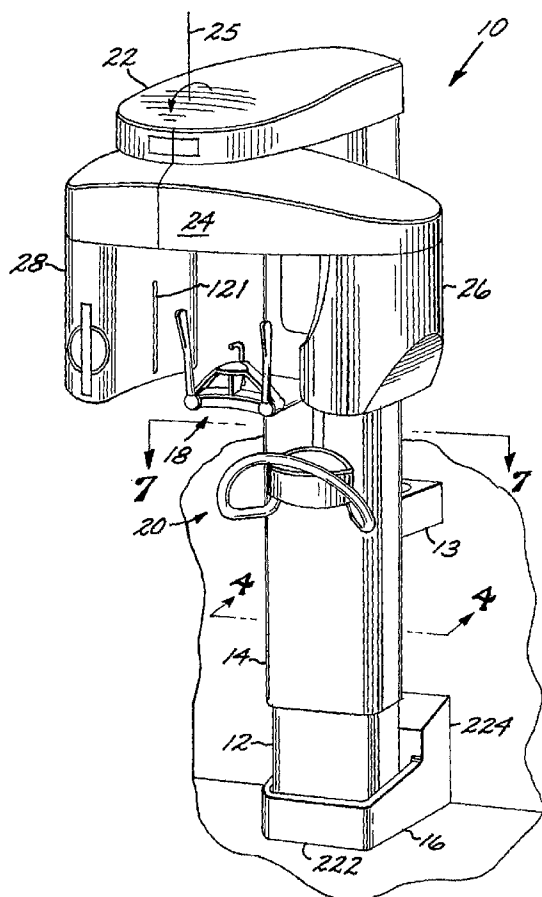
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(54) Title: STRUCTURAL AND PATIENT POSITIONING FEATURES OF AN X-RAY SYSTEM



(57) Abstract: Numerous structural /patient positioning features are provided for use with a dental x-ray machine. At least the following features are included: an inverted motor arrangement to actuate an outer support column with respect to an inner support column (12); wiper elements (68) disposed between the inner (12) and outer (14) support columns to provide enhanced electrical grounding therebetween; adjustable roller subassemblies (230) disposed between the inner and outer columns; a flexible electrical cable (94) disposed inside the inner column; a self-aligning base (16) for use with the inner column, the base having symmetric halves; an adaptable handgrip handrail (20) extending from the outer column at compound oblique angles; a drive system for film transport; and a side projection system for patient head positioning, including multiple horizontal light beams (124, 126, 128, 130).



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