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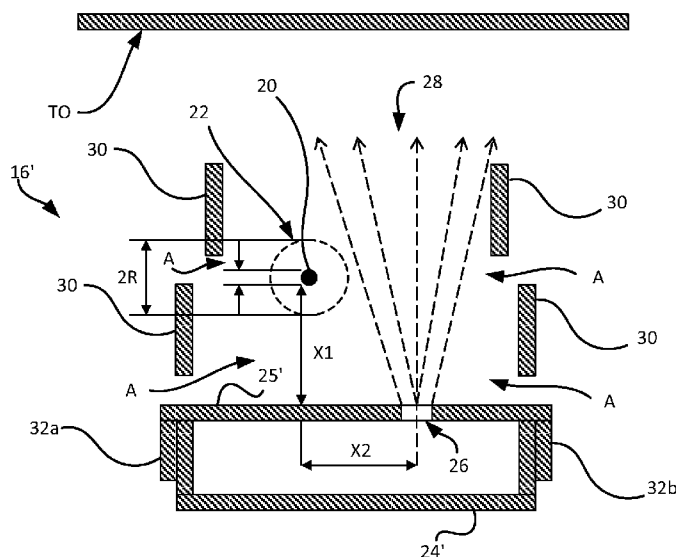
(54) **Title:** MULTI-SECTIONAL LINEAR IONIZING BAR AND IONIZATION CELL

Figure 2A

(57) **Abstract:** A multi-sectional linear ionizing bar (10) with at least four elements is disclosed. First, disclosed bars may include at least one ionization cell (16) with at least one axis-defining linear ion emitter (20) for establishing an ion cloud (22) along the length thereof. Second, disclosed bars (10) may include at least one reference electrode (32a, 32b). Third, disclosed bars (10) may include a manifold (24) for receiving gas or air from a source and for delivering same past the linear emitter(s) (20) such that substantially none of the gas/air flows into the ion cloud (22). Fourth, disclosed bars (10) may include means (20a, 20b) for receiving the ionizing voltage and for delivering same to the linear emitter(s) (20) to thereby establish the ion cloud (22). In this way, disclosed ionizing bars (10) may transport ions from the plasma region toward a charge neutralization target without inducing substantial vibration of the linear emitter (20) and without substantial contaminants from the gas/air flow reaching the linear emitter (20).



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