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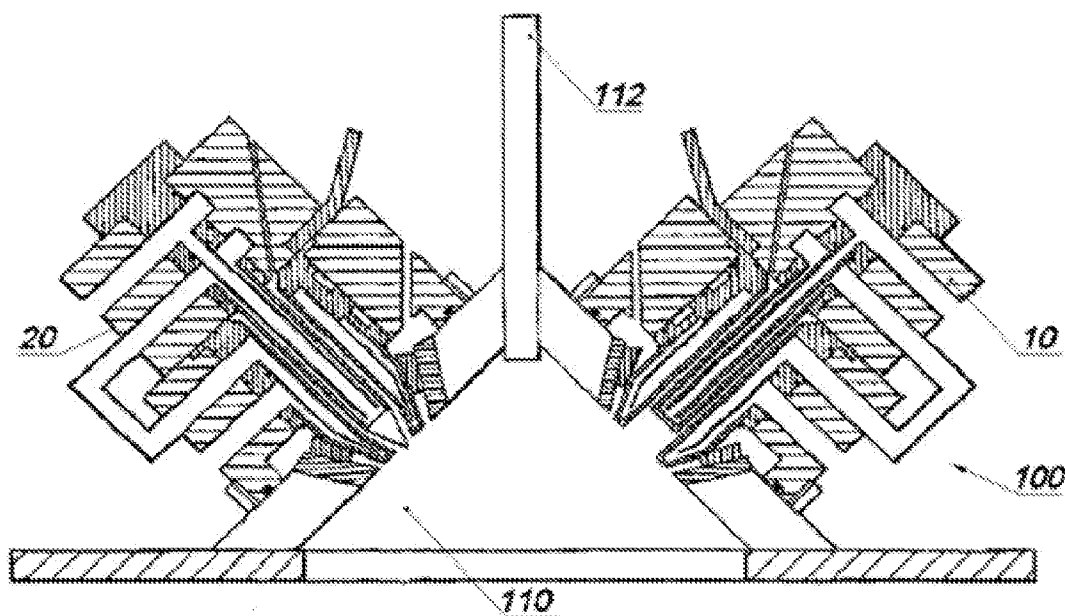
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(54) Title: PLASMA APPARATUS AND SYSTEM



(57) Abstract: A plasma apparatus including a first anode plasma head and a first cathode plasma head. Each of the plasma heads including an electrode, a plasma flow channel, and a primary gas inlet disposed between at least a portion of said plasma flow channel. The first anode plasma head and the first cathode plasma head being disposed at angle relative to one another. The plasma apparatus also including a second anode plasma head and a second cathode plasma head. Each of the plasma heads including an electrode, a plasma flow channel, and a primary gas inlet disposed between at least a portion of the electrode, the plasma flow channel, the second anode plasma head and the second cathode plasma head being disposed at an angle relative to one another.

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