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(71) Applicant: ENTEGRIS, INC. [US/US]; 129 Concord Road, Billerica, Massachusetts 01821 (US).

(72) Inventors: TANG, Ying; 129 Concord Road, Billerica, Massachusetts 01821 (US). DESPRES, Joseph R.; 129 Concord Road, Billerica, Massachusetts 01821 (US). JONES, Edward E.; 129 Concord Road, Billerica, Massachusetts 01821 (US). SWEENEY, Joseph D.; 129 Concord Road, Billerica, Massachusetts 01821 (US).

(74) Agent: KISSOON, Nidhi G.; ENTEGRIS, INC., 129 Concord Road, Billerica, Massachusetts 01821 (US).

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(54) Title: GAS MIXTURE AS CO-GAS FOR ION IMPLANT

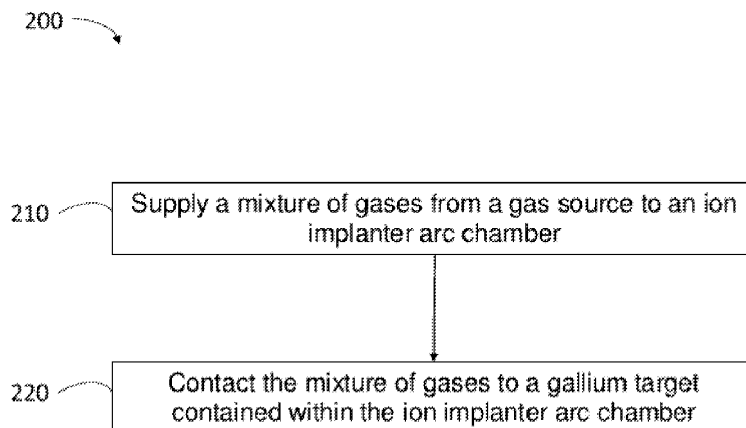


FIG. 2

(57) Abstract: The present disclosure relates to an ion implantation tool source and gas delivery system. The system can include a gas source comprising one or more gas supply vessels, an ion implanter arc chamber connected to the gas source, and a gallium target contained within the ion implanter arc chamber. The one or more gas supply vessels can supply a mixture of gases of hydrogen and fluoride. The hydrogen can be from 5% to 60% of the mixture of gases.

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