

Title (en)

METHODS AND APPARATUS FOR PRODUCING LOW FLOW RATES OF FEEDSTOCK VAPORS

Title (de)

VERFAHREN ZUM HERSTELLEN VON DÄMPFE MIT NIEDRIGERN STRÖMUNG

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT DE PRODUIRE DES VAPEURS DE CHARGE D'ALIMENTATION DE FAIBLE DEBIT

Publication

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Application

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Abstract (en)

[origin: WO9903787A1] A method and apparatus for producing feedstock vapors utilized in the manufacturing of silica glass is provided. The apparatus includes a means for providing a constant flow of a liquid feedstock (22), a means providing an injector gas (24), a mixer (28), an injector tube (30) having an injector entrance (34) and injector orifice (36), a means for flowing a carrier gas (26), a vaporizer chamber (32) and a vapor feedstock delivery conduit (38) which delivers feedstock vapors to a conversion site where it is converted to a silica glass. The invention produces beneficial low flow rates of feedstock vapors, particularly suited for use in the manufacture of planar optical waveguides and lightwave optical circuits.

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