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(71) Applicant: LAM RESEARCH CORPORATION
[US/US]; 4650 Cushing Parkway, Fremont, California
94538 (US).(72) Inventors: TASKAR, Mark; 1658 De Anza Blvd., San
Mateo, California 94538 (US). SHAREEF, Iqbal; 4055
Heron Place, Fremont, California 94555 (US). ZEM-
LOCK, Anthony; 16072 Tsirelas Drive, Tracy, California
95304 (US). BISE, Ryan; 218 Tait Ave., #2, Los Gatos,
California 95030 (US). KUGLAND, Nathan; 142 Calde-
cott Lane, #2, Oakland, California 94618 (US).(74) Agent: SKIFF, Peter K.; Buchanan Ingersoll & Rooney
PC, P. O. Box 1404, Alexandria, Virginia 22313-1404
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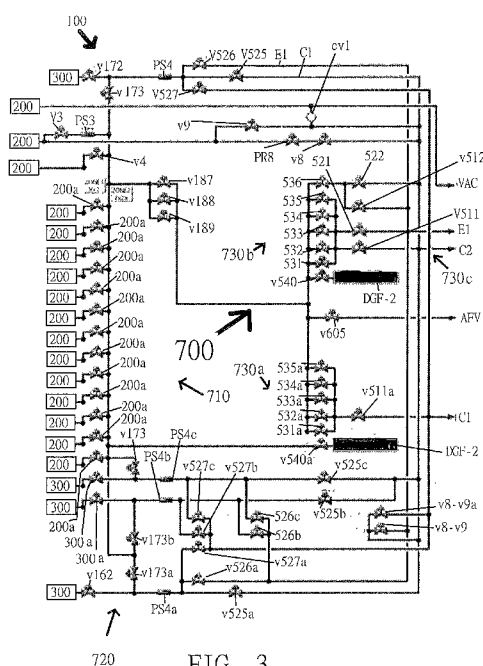
(54) Title: GAS SUPPLY DELIVERY ARRANGEMENT INCLUDING A GAS SPLITTER FOR TUNABLE GAS FLOW CON-
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FIG. 3

(57) Abstract: A gas supply delivery arrangement of a plasma pro-
cessing system for processing a substrate with gases introduced
through at least first, second, and third gas injection zones comprises
process gas supply inlets and tuning gas inlets. A mixing manifold
comprises gas sticks in fluid communication with a process gas sup-
ply and tuning gas sticks in fluid communication with a tuning gas
supply. A first gas outlet delivers gas to the first gas injection zone, a
second gas outlet delivers gas to the second gas injection zone, and a
third gas outlet delivers gas to the third gas injection zone. A gas
splitter is in fluid communication with the mixing manifold, and in-
cludes a first valve arrangement which splits mixed gas exiting the
mixing manifold into a first mixed gas supplied to the first gas outlet
and a second mixed gas supplied to the second, and/or third gas out-
lets.

**Declarations under Rule 4.17:**

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- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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