

REACTOR SYSTEM WITH MULTI-DIRECTIONAL REACTION CHAMBER

ABSTRACT

A reactor system may comprise a plurality of reaction chambers; a plurality of transfer chambers; and/or at least two gate valves coupled to each reaction chamber of the plurality of reaction chambers. A first gate valve of the at least two gate valves may fluidly couple a first respective reaction chamber of the plurality of reaction chambers to a first transfer chamber of the plurality of transfer chambers, and a second gate valve of the at least two gate valves may fluidly couple the first respective reaction chamber to a second transfer chamber of the plurality of transfer chambers. In various embodiments, each of the plurality of transfer chambers may comprise a transfer tool, wherein each transfer tool may be configured to transfer a substrate into and/or out of multiple reaction chambers.

[FIG. 1]