

MULTI-ADDITIVE DELIVERY SYSTEM

ABSTRACT OF THE DISCLOSURE

An apparatus and method for delivery of additives(s), e.g., catalyst, co-catalyst, scavengers, and/or other reaction- or product-modifying agents, to a reaction or mixing site, such as a reaction vessel, offers the capability for multi-additive delivery and customization of additive selection, flow and flow rate, and if desired, mixing thereof, without production train shutdowns. The invention includes at least two additive sources that are detachably connected, with conduit, to the reaction or mixing site, and a process control means, preferably automated, that is capable of initiating, terminating, and determining the rate of flow from the additive sources.

Figure 1.