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(54) **Title:** CONVERSION OF HF ALKYLATION UNITS FOR IONIC LIQUID CATALYZED ALKYLATION PROCESSES

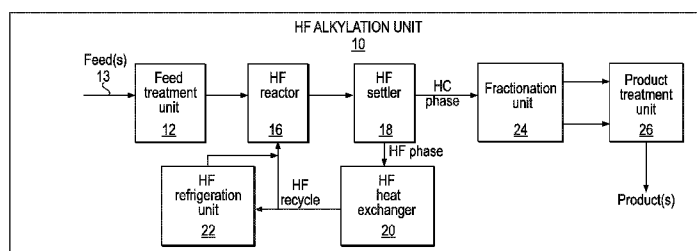


FIG. 1A
(Prior Art)

(57) **Abstract:** Methods for converting an HF alkylation unit to an ionic liquid alkylation system configured for performing ionic liquid catalyzed alkylation processes may comprise connecting at least one component configured for ionic liquid catalyzed alkylation to at least one component of the HF alkylation unit, wherein the at least one component of the HF alkylation unit is retained, modified or adapted for use in the ionic liquid alkylation system. An ionic liquid alkylation system derived from an existing or prior HF alkylation unit is also disclosed.