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(54) Title: HEAT EXCHANGE REACTOR WITH REDUCED METAL DUSTING

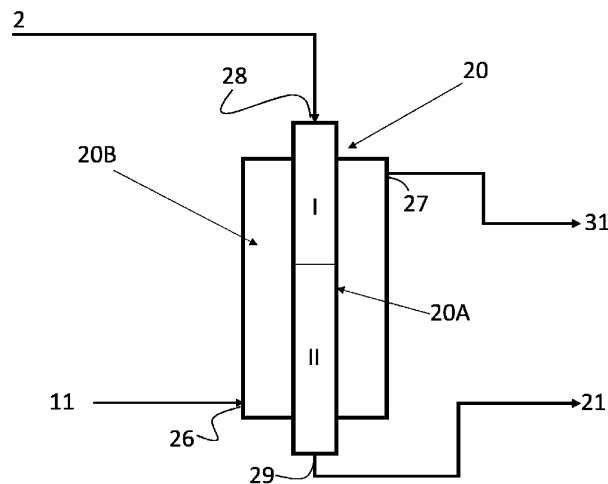


FIG. 1

(57) Abstract: The present technology relates to a heat exchange reactor (HER) system comprising a first gas feed and a heat exchange reactor, HER. The HER has two reaction zones; a first reaction zone (I) arranged to carry out an overall exothermic reaction of the first gas feed, and a second reaction zone (II) arranged to carry out an overall endothermic reaction of gas from said first reaction zone (I).

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