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(54) Title: A SYSTEM AND METHOD THEREOF FOR EFFICIENT PRODUCTION OF AMMONIA

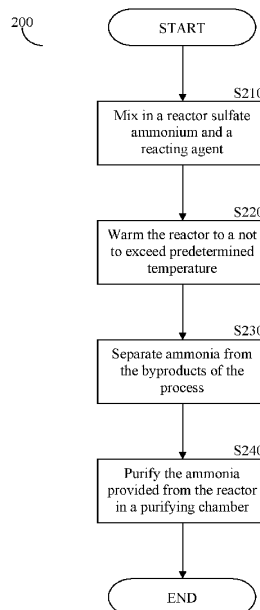


FIGURE 2

(57) Abstract: A system and method for production of ammonia are presented. The system includes a reactor adapted to receive therein through a first input of the reactor sulfate ammonia and a reacting agent through a second input of the reactor, wherein the reactor is heated to a temperature not to exceed a predetermined temperature to create a chemical reaction between a sulfate ammonia and the reacting agent; and a purifier adapted to accept ammonia from the reactor and perform a purification process to purify the ammonia to a predetermined degree of purification.

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