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(54) Title: PURIFICATION AND TRANSFILLING OF AMMONIA

(57) Abstract: An ammonia purification system includes a hydrocarbon removal station that removes hydrocarbons from gaseous ammonia via adsorption, a moisture removal station that removes water from gaseous ammonia via adsorption, and a distillation station including a distillation column connected with a condenser to facilitate removal of impurities from ammonia and condensation of gaseous ammonia to form a purified liquid ammonia product. The system further includes a storage tank to receive purified ammonia, a remote station connected with the storage tank, and a vaporizer connected with the storage tank. The vaporizer is configured to receive and vaporize liquid ammonia from the storage tank and deliver gaseous ammonia back to the storage tank so as to facilitate pumping of the ammonia to the remote station based upon a vapor pressure established within the storage tank.



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