



162162



G00002

A B S T R A C T

A technique of producing a clathrate hydrate slurry stably over an extended period of time while preserving an advantage of accelerating generation of additional clathrate hydrate by the clathrate hydrate deposited on a surface of a heat exchanger is provided. A method of producing a clathrate hydrate slurry, comprising steps of feeding an aqueous solution of a guest compound for the clathrate hydrate or a slurry of the clathrate hydrate dispersed or suspended in an aqueous solution or water into a heat transfer tube and heat-exchanging the aqueous solution or the slurry with a refrigerant present at an outer periphery of the heat transfer tube thereby generating the clathrate hydrate in the aqueous solution or the slurry, characterized in that increase in an amount of the clathrate hydrate deposited on a heat transfer tube inner wall surface in a process of heat exchange with the refrigerant is suppressed by flow force of the aqueous solution or the slurry flowing inside the heat transfer tube.