

A method for electric generator cooling is proposed, which comprises serial processes of cooling a heat carrier, for example air, carrying off heat for liquid evaporation of a low-boiling low pressure working body, vapor condensation of the low-boiling low pressure working body and compression obtained liquid, heating the cooled heat carrier, supplying heat from the electric generator to the said carrier. The heat carrier heated into electric generator is cooled with help of carrying off heat for heating and evaporation of liquid of low-boiling high pressure working body final evaporation of said liquid is performed via supplying heat from exit gases and (or) compressed air of drive motor that run the electric generator, evaporation of liquid of the low-boiling low pressure working body is performed by supplying heat from air in the drive motor input.