

The invention relates to the field of rocket and space technology and can be used for supercharge of fuel tanks of propulsion units of rocket-carriers. The method for supercharge of the fuel tank of propulsion units of rocket-carriers includes storage of supercharge working medium on board the rocket, its heating in flight in the heat exchanger of the propulsion system and supply to the free volume of the fuel tank by supercharge lines. At that before starting the propulsion unit heating the Application of the invention is to reduce the required mass of supercharge working medium.