UDC 621.43.018.76: 621.435.8

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The method of increasing the efficiency of ICE basic

cycle by chemical pressurization, in particular, by feeding into

a cylinder the additional working medium produced from the

mono-fuel or nitric fuel has been offered. The conditions under

which the efficiency of the basic theoretical cycle can be

increased without increasing the maximum cylinder pressure

and working medium temperature during expansion have been

defined. The formulas for determination of the basic parameters

of chemically pressurized cycles have been derived. Il. 4.

Bibliography. 4 names.