

Promising Power Generating Systems

V.A. Grushnikov¹, VINITI RAS, Dr., viniti@mach04.ru

¹ Senior Researcher, Moscow, Russia

Citation: Grushnikov V.A. Promising Power Generating Systems, *Kompetentnost' / Competency (Russia)*, 2020, no. 1, pp. 45-47

key words

power generation, energy conversion, nature-like technologies, thermodynamic cycles, resource conservation, environmental protection

In my study of promising energy-generating systems, I considered biosimilar environmental technologies as the most preferable in the modern world.

The energy industry, which is the basis of human activity all spheres, not only allows improving production and domestic processes, but also improves itself. Along with the use of traditional energy resources and methods of their transformation or transformation from one to another type or condition, to increase energy efficiency and the level of resource conservation and environmental protection, the most promising is the use of nature-friendly technologies based on advanced thermodynamic processes. It make it possible to economically, environmentally and competitively solve the whole range of industrial, technical, commercial and communal problems of modern society, which lives densely in megacities and worries about the environment and its own security. At the same time, requirements for comfortable living, ergonomics and the level of process automation are constantly increasing. These trends are evident in all segments of the energy and utilities sectors.

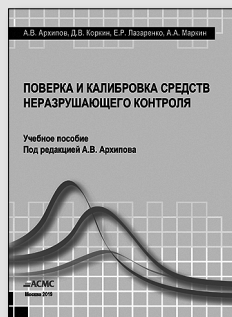
References

1. Self-Regenerative Integrated Device for Synergetic Oxidation of Low-Concentration Gas and Ventilation Gas in Coal Mine, US patent N 10022668.
2. Flexibly Operable Power Plant and Method for the Operation Thereof, US patent N 9885257.
3. Cooling Water Supply System and Binary Cycle Power Plant Including Same, US patent N 9879885.
4. Mitigating Hydraulic Gradients by Assisting Gas Displacement Pumps with Inverted Hydrostatic Standpipes, US patent N 9938992.
5. Method for Energy Saving, US patent N 9879568.
6. Organic Rankine Cycle Based Conversion of Gas Processing Plant Waste Heat Into Power and Cooling, US patent N 10125639.

НОВАЯ КНИГА

Архипов А.В., Коркин Д.В., Лазаренко Е.Р., Маркин А.А.

Поверка и калибровка средств неразрушающего контроля



Учебное пособие. — М.: АСМС, 2019

Проблемам обеспечения единства измерений в области неразрушающего контроля (НК) уделяется недостаточно внимания.

Учебное пособие посвящено вопросам поверки и калибровки средств неразрушающего контроля. Рассмотрены современная нормативно-техническая документация, терминология, классификация, принципы действия, технические требования, метрологические характеристики, поверка и калибровка средств НК.

Пособие предназначено для слушателей, обучающихся по программе «Поверка и калибровка средств неразрушающего контроля».

По вопросам приобретения обращайтесь по адресу:

Академия стандартизации, метрологии и сертификации (АСМС), 109443, Москва, Волгоградский пр-т, 90, корп. 1.
Тел. / факс: 8 (499) 742 4643. Факс: 8 (499) 742 5241. E-mail: info@asms.ru