TECHNOLOGY OF AIR-IMPACT CLEANING OF HEATING SYSTEMS IN INDUSTRIAL AND LIVING BUILDINGS

Description
The technology is based on a powerful shock-wave action of a pulsed air stream generated within a very short time (less than 0.1 sec) by a special air-driven device (air-driven generator).

Technical specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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</thead>
<tbody>
<tr>
<td>Pressure</td>
<td>30 – 50 bar</td>
</tr>
<tr>
<td>Working gas</td>
<td>air</td>
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<tr>
<td>Efficiency</td>
<td>10 min per one heating appliance</td>
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</table>

Fig. Cleaning system for a three-storeyed building
Technical appraisal and economic benefits
– high efficiency of cleaning;
– high reliability and safety of the technology;
– ecological safety;
– wide range of impact parameters.

Application area
Various branches of industry. Housing and communal services.

Development stage
The technology was tested on objects of the Institute of Theoretical and Applied Mechanics of the Siberian Branch of the Russian Academy of Sciences and State Public Scientific Technological Library of the Siberian Branch of the Russian Academy of Sciences; the technology is ready for delivery to interested institutions.

Patent situation
An application was submitted, but the patent has not yet been received.

Commercial offers
Delivery of the technology and organization of its application.

Estimated cost
10000 USD.

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