

1. Surname, name
Burov Alexey
2. Denomination
Multichannel eccentric leaches- and dust traps for heat power engineering equipment aspiration
3. Specialty
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4. Employer
Odessa National Polytechnic University
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6. Scientific supervisor
Stanovsky Aleksandr, Dr.Eng., Professor
7. Opponents
Kesova L., Dr.Eng., Professor Zaitsev O., Ph.D.Eng., Assoc.Prof.
<p>The classification of phases of a heterogeneous gas stream in a system of curvilinear channels with closed loops - a bottom multichannel leaches- and dust traps is investigated. Gas is cleaned as a result of its multiple filtrations through concentrated stratum of solids of ashes and a dust circulating in closed loops on stable orbits.</p> <p>Adequacy of stochastic model of a radial drift of solids in a curvilinear gas stream to actual processes are confirmed with the consent calculated with test data and outcomes of commercial tests leaches- and dust traps with closed loops.</p> <p>On the basis of such catchers the system of dust removal of plant made on gas “Shelter” up to is offered and during disassembly of blasted block CHAES. Effectiveness of use in her of catchers with minimum numbers of closed loops and a centrifugal induced-draft fan is detected as the concentrator and a coagulator of submicron solids.</p> <p>Energy consumptions and wear rate multichannel leaches- dust traps who at identical energy consumptions with cyclone collectors multiply reduce ejections of solids in an atmosphere are reduced.</p> <p>Key words: closed loops; centrifugal dust traps; submicron solids; curvilinear channels.</p>