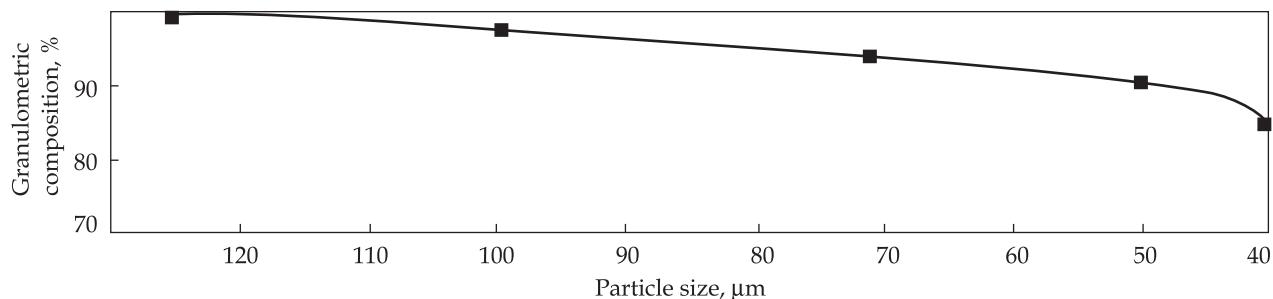
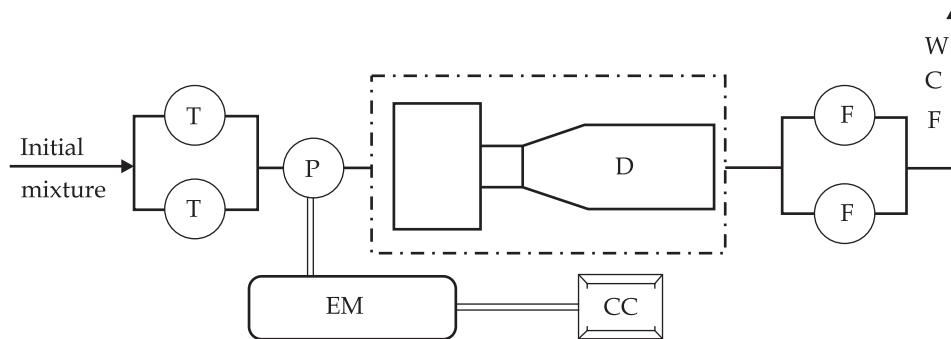


CAVITATION-PULSE PLANT FOR PREPARATION OF COAL-WATER FUEL (CWF)

Device for the cavitation-pulse technology:
 T – filter-trap; P – pump;
 EM – electric motor;
 D – cavitation-pulse powder dispenser;
 CC – control cabinet;
 F – filter



Fineness of slime concentrate ground with the use of cavitation-pulse technology

Areas of Application

Preparation of coal-water fuel to burn in power-generating boilers

Specification

The technology enables preparation of coal-water fuel from coal, anthracite, and slime concentrate with a fineness of solid particles less than $50.0 \mu\text{m}$ (90%)

Advantages

One cavitation-pulse plant replaces 7 bead or 6 ball mills. Unlike its counterparts, the cavitation-pulse plant has no moving parts and automatic elements in cavitation-pulse generator of fluctuations. Energy consumption per unit of product decreases significantly. The plant has a simple design, a high performance and a wide range of adjustment of cavitation-cumulative impact

Stage of Development. Suggestions for Commercialization

TRL7
 Seeking partners for commercializing the CWF plant

IPR Protection

IPR1

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