

Title (en)

Process and apparatus for removal of carbonaceous materials from particles containing such materials.

Title (de)

Verfahren und Apparat zur Beseitigung von Kohlenstoffmaterialien von Feststoffteilchen.

Title (fr)

Procédé et appareillage pour l'élimination de matières carbonées à partir de particules les contenant.

Publication

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Application

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Priority

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Abstract (en)

Process and apparatus for the removal of carbonaceous materials from particles containing such materials, comprising introducing said particles into the lower part of a first, riser-type reactor, into which lower part also an oxygen containing gas is introduced, the reactor being operated under entrainment conditions with a relatively high density phase in the lower part and with a relatively low density phase in the upper part at a temperature suitable to burn off carbonaceous materials, separating solids and gas at the top of the reactor, introducing the separated particles into the upper part of a second, fluidized bed-type reactor while introducing an oxygen containing gas into the lower part of the second reactor, the reactor being operated under fluidized bed conditions at a temperature suitable to burn off carbonaceous materials, removing processed particles from the lower part of the reactor, and recirculating a part of the processed particles to the lower part of the riser-type reactor.

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Citation (search report)

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