

Title (en)
PROCESS FOR COOLING TECHNICAL GASES

Publication
EP 0467441 B1 19931006 (DE)

Application
EP 91201732 A 19910704

Priority
DE 4023060 A 19900720

Abstract (en)
[origin: EP0467441A1] The process gases are passed into a steady-speed fluidised bed designed as an annular trough and fitted with cooling elements. Fluidising gas is passed into the fluidised bed through the inflow tray of the trough. The process gas is introduced through the central orifice of the fluidised bed. Cooled solid flows out of the fluidised bed over the inner rim of the trough into the process gas stream and is carried along by the latter into the dust chamber above the surface of the fluidised bed. The solid deposited in the dust chamber drops back into the annular fluidised bed, and the cooled gas containing the residual solid is passed into a gas cooler fitted with cooling surfaces. The gas emanating from the upper part of the gas cooler is passed into a dust precipitator, and the precipitated solid is recycled into the steady-speed fluidised bed. <IMAGE>

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IPC 8 full level
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CPC (source: EP US)
C10K 1/02 (2013.01 - EP US); **C10K 1/04** (2013.01 - EP US); **F28D 13/00** (2013.01 - EP US)

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