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(54) Title: PROCESS FOR MAKING PIGMENTARY TITANIUM DIOXIDE

(57) Abstract: A process is disclosed for making pigmentary titanium dioxide through the oxidation of titanium tetrachloride in the presence of aluminum chloride, in which aluminum chloride solids are sublimed and combined with titanium tetrachloride gases and the combination oxidized in an oxidizer. Also, a process and apparatus for subliming aluminum chloride solids at least in part by conductive heat transfer from inert, thermally conductive solids in a fluidized bed.



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