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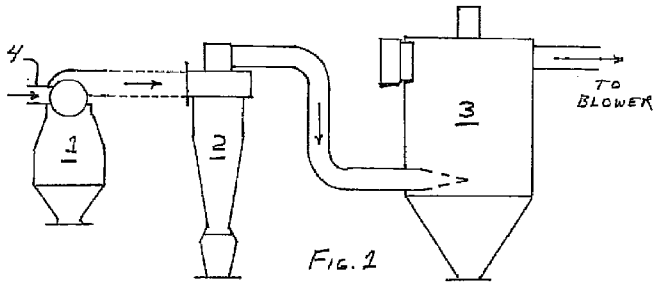

Fig. 1

(57) Abstract: Useful portions of equilibrium catalyst from a Fluid Catalytic Cracking unit are obtained by fractionating to obtain a narrow size fraction, followed by separation of the narrow size fraction using density as a fractionating criterion. Size fractionating may be performed in vibrating sieves, and the density fractionating may be performed in an air cyclone. Both beneficial and detrimental fractions can be identified; in one embodiment, large particles are removed from ECAT to improve the coking factor.

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