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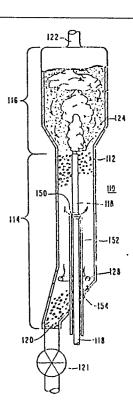
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- 54 Adjustable booster for fluidized bed gasifiers.
- (5) A process for optimizing the ash separation and cooling operation of a fluidized bed gasifier which produces a mixture of ash and char from a carbonaceous material, comprising the steps of feeding the carbonaceous material to a gasifier at a first rate, discharging the mixture from the gasifier at a second rate approximately equal to a rate of introduction of ash contained in the carbonaceous material fed into the gasifier, maintaining the discharge temperature of the mixture below a temperature T, injecting a first gas at a first elevation within the gasifier, injecting a second gas at a second elevation which is above the first elevation to refluidize a portion of the mixture, measuring the ash content of the discharged mixture, and measuring sintering of ash of the discharged mixture; characterized by the further steps of
- (1) raising the second gas injection elevation to increase the ash content or lowering the second gas injection elevation to reduce sintering of the discharged ash, and
- (2) repeating the above process until both ash content and sintering of ash of the discharged mixture is acceptable.





EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT						
Category		th indication, where appropriate ant passages		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Ci.4)	
*	S-A-4 400 181 (PRESEARCH) Column 5, line ine 54 *		6,		C 10 J	3/52
A U	 JS-A-4 309 194 (SALVADOR)				
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X particularly relevant if taken alone af Y particularly relevant if combined with another document of the same category L do A technological background onon-written disclosure & m			theory or principle underlying the invention earlier patent document, but published on, or after the filing date document cited in the application document cited for other reasons member of the same patent family, corresponding document			