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George, W.** [US/US]; 14501 E. 271 Street, Harrisonville,(84) Designated States (unless otherwise indicated, for every
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(54) Title: CONTINUOUS SYSTEM FOR PROCESSING PARTICLES

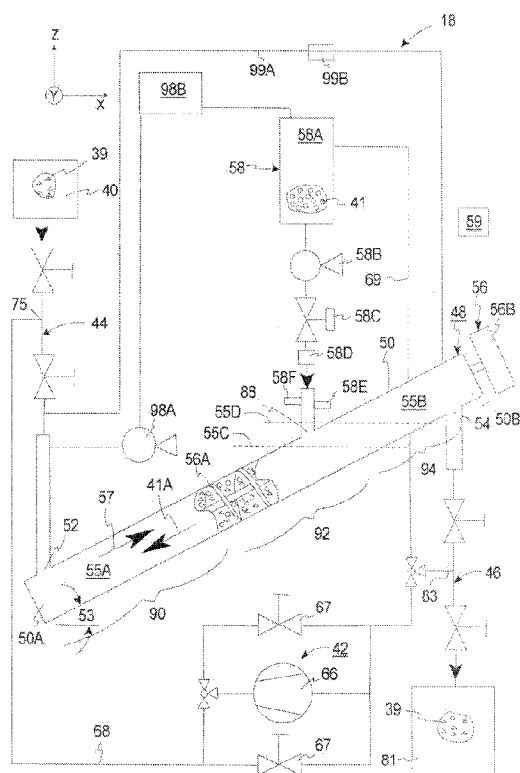


Figure 2

(57) Abstract: Removing contaminants from a material includes pro-
viding a vessel, directing a cleaning fluid into the vessel, transferring
the material into the vessel, moving the material within the vessel,
and removing contaminants from the material as cleaning fluid flows
in the vessel. The vessel has a vessel inlet and a spaced apart vessel
outlet. The cleaning fluid is directed into the vessel so that the clean-
ing fluid flows in the vessel. The material is transferred into the ves-
sel through the vessel inlet, and the material is then moved within the
vessel from the vessel inlet towards the vessel outlet. The cleaning
fluid flowing in the vessel contacts the material while the material is
moving from the vessel inlet toward the vessel outlet and removes
contaminants from material. The material can be moved substantially
continuously within the vessel and between the vessel inlet and the
vessel outlet.



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INTERNATIONAL SEARCH REPORT

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PCT/US 08/86513

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - B08B 3/04, 5/00 (2009.01)

USPC - 134/40; 426/425

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

USPC - 134/40; 426/425

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

USPC - 134/10,34,40, 5; 426/422,425,427, 5

Search Terms Below

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PUBWest (USPT, PGPB, EPAB, JPAB); google.com

Search Terms Used: resin, particles, helical, auger, continuous, contaminant, contaminants, solvent, cleaning, coffee, beans, gas, blanket, particles, dioxide, CO2, vessel, inlet, outlet, pressure, phase, controller, controlling

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X -- Y	US 2006/0281896 A1 (Bohnert et al.) 14 December 2006 (14.12.2006) entire document, especially Abstract; para [0017]; [0025]; [0026]; [0027]; [0032]; [0048]	1, 2, 4-20, 22-27, 29-41, 43-60, 62-66, 68-81, 83-87, 89-102, 104-121, 123-125 3, 21, 28, 42, 61, 67, 82, 88, 103, 122
Y	US 4,911,941 A (Katz et al.) 27 March 1990 (27.03.1990) entire document, especially Abstract; col. 5, ln. 4-29	3, 28, 67, 88
Y	US 6,406,553 B1 (Ouye) 18 June 2002 (18.06.2002) entire document, especially Abstract	21, 42, 61, 82, 103, 122

☐ Further documents are listed in the continuation of Box C.


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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

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