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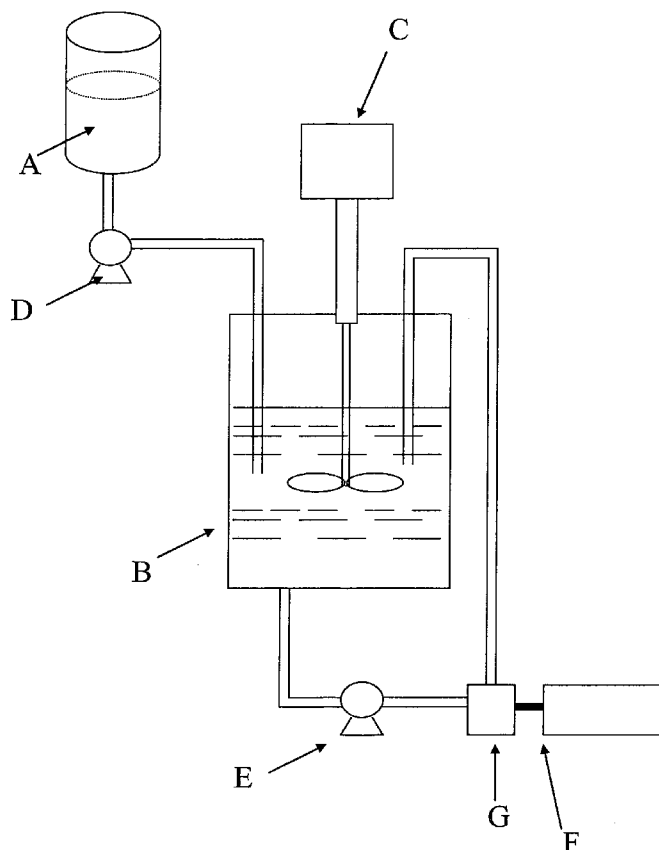
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[Continued on next page]

(54) Title: CRYSTALLIZATION VIA HIGH-SHEAR TRANSFORMATION

Polymorph Transformation Crystallization — Batch mode



(57) Abstract: The invention relates to a process or apparatus for transforming a first polymorph of a chemical material into a second polymorph of the same chemical material, utilizing an apparatus comprising a vessel connected to a re-circulation system, the process comprising the steps of: suspending said first polymorph in a solution to form a slurry in the vessel, re-circulating the slurry and removing the slurry from the vessel.



RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - C07D 471/02, A61K 31/4745 (2007.01) USPC - 514/303; 546/118 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 - 514/303; 546/118 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) PUBWEST (USPT, PGPB, USOC, EPAB, JPAB), Google Scholar Search terms: Crystallization, Impinging jet, recirculation, first and second polymorphs, apparatus, process, slurry		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,472,563 B1 (TANOURY et al.) 29 October 2002 (29.10.2002), Col 3, ln 32-35, claims 2 and 4, Col1, ln 38	1-23
Y	US 2004/0005257 A1 (WEI et al.) 08 January 2004 (08.01.2004), para [0025], [0034],[0020], [0078], [0059], [0063]-[0067], [0057], [0084], claim 64	1-23
☐ Further documents are listed in the continuation of Box C. ☐		
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