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(54) Title: METHOD FOR THE RECOVERY OF ACIDS FROM HYDROMETALLURGY PROCESS SOLUTIONS

(57) Abstract: A method for the recovery of acids and other materials from hydrometallurgic process solutions comprising processing said solutions utilizing a simulated moving bed chromatographic method to produce at least two product streams.

INTERNATIONAL SEARCH REPORT

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PCT/US04/22432

A. CLASSIFICATION OF SUBJECT MATTER
 IPC(7) : B01D 15/00; B01J 39/00, 49/00; C02F 1/42
 US CL : 210/662, 663, 664, 669, 670, 676, 683, 684
 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)
 U.S. : 210/662, 663, 664, 669, 670, 676, 683, 684

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,171,548 A (ROSSITER et al.) 15 December 1992, see col. 1, lines 6-7; col. 5, lines 63-64 and col. 6, line 14.	1-5, 7-9, 12-13, 17-21, 23-25, 28-29
Y		6, 10-11, 22, 26-27
Y,E	US 6,770,757 B2 (PANNANEN et al.) 03 August 2004, see col. 4, lines 44-45 and col. 5, lines 9-10.	6, 22
Y	US 5,968,362 A (RUSSO, JR.) 19 October 1999, see entire document	10-11, 26-27
Y	US 4,990,259 A (KEARNEY et al.) 05 February 1991, see col. 1, lines 18-19 and col. 9, line 4.	14-16, 30-32
A	US 4,412,866 A (SCHOENROCK et al.) 01 November 1983	1-32
A	US 2,985,589 A (BROUGHTON et al.) 23 May 1961	1-32
A	US 4,182,633 A (ISHIKAWA et al.) 08 January 1980	1-32

Further documents are listed in the continuation of Box C. See patent family annex.

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