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(54) Title: SYSTEM AND METHOD FOR CONVERSION OF MOLYBDENITE TO ONE OR MORE MOLYBDENUM OXIDES

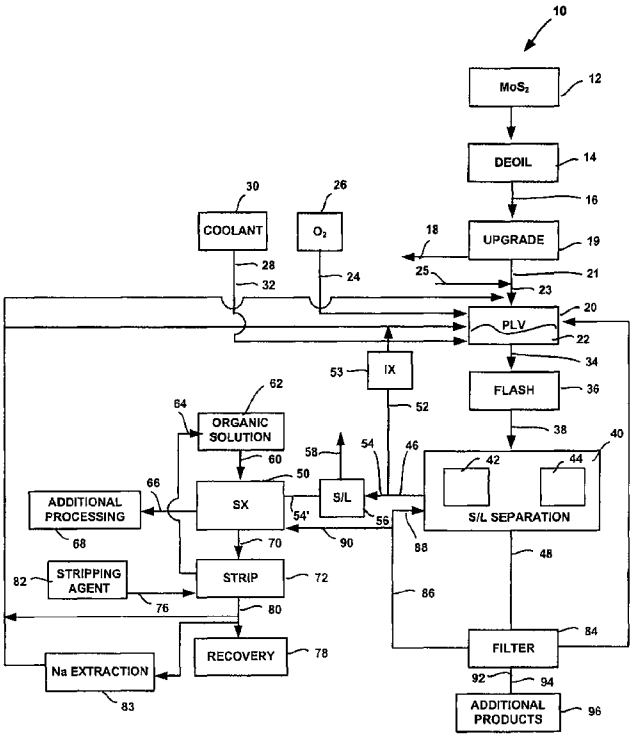


FIG. 1

(57) Abstract: A system and method for producing molybdenum oxide(s) from molybdenum sulfide are disclosed. The system includes a pressure leach vessel, a solid-liquid separation stage coupled to the pressure leach vessel, a solvent-extraction stage coupled to the solid-liquid separation stage, and a base stripping stage coupled to the solvent-extraction stage. The method includes providing a molybdenum sulfide feed, subjecting the feed to a pressure leach process, subjecting pressure leach process discharge to a solid-liquid separation process to produce a discharge liquid stream and a discharge solids stream, and subjecting the discharge liquid stream to a solvent extraction and a base strip process.

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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)
COlG C22B

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 practical search terms used)
EPO-Internal , WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document with indication where appropriate of the relevant passages	Relevant to claim No
X	US 5 804 151 A (SWEETSER WILLIAM H [US] ET AL) 8 September 1998 (1998-09-08) cited In the application the whole document	1-20
X	US 4 444 733 A (LAFERTY JOHN M [US] ET AL) 24 April 1984 (1984-04-24) cited in the application the whole document	15-20
X	WO 96/12675 A (KENNECOTT CORP [US]) 2 May 1996 (1996-05-02) page 5, lines 17-33 page 10, line 4 - page 16, line 9	15-20

D Further documents are listed in the continuation of Box C

X See patent family annex

' Special categories of cited documents

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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