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

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C01G 37/14 (2006.01)

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(58) **Field of Classification Search** **423/58, 423/53, 54, 55, 593.1, 606**

See application file for complete search history.

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(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.

14 Claims, 3 Drawing Sheets

