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**Mitsui et al.**

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(54) **ORE SLURRY PRODUCTION METHOD AND METAL REFINING METHOD**

(58) **Field of Classification Search**  
CPC .... C22B 23/0407; C22B 1/00; C22B 23/005; B02C 19/00; B02C 19/0056  
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See application file for complete search history.

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(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 422 days.

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(57) **ABSTRACT**

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Disclosed is a method for producing an ore slurry that can suppress a rise in the viscosity of the ore slurry and consequently prevent a failure in transporting the slurry, and also to provide a metal refining method utilizing such a slurry producing method. The present invention includes: a pulverizing/classifying step of pulverizing raw material ores and classifying the resulting ores at a predetermined classifying point so that oversized ore particles are removed so as to obtain a coarse ore slurry composed of undersized ore particles; a grain size measuring step of measuring the grain size of the resulting coarse ore slurry; and an ore slurry condensing step of loading the coarse ore slurry to a solid-liquid separation device and separating and removing moisture contained in the coarse ore slurry therefrom so as to condense ore components.

(30) **Foreign Application Priority Data**

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**11 Claims, 3 Drawing Sheets**

