Title (en)
METHOD FOR THE PRODUCTION OF BLISTER COPPER

Title (de)
VERFAHREN ZUR HERSTELLUNG VON BLISTERKUPFER

Title (fr)
PROCEDE DE FABRICATION DE CUIVRE BRUT

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Application
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Abstract (en)
[origin: WO03025236A1] The invention relates to a method to produce blister copper or high grade matte in a smelting reactor directly from a sulfidic copper concentrate containing material and/or finely ground copper matte, whereby oxygen-containing gas, copper concentrate and/or finely ground copper matte are fed into the reactor. According to the invention CaO and SiO2 containing flux is fed into the smelting reactor along with oxygen-containing gas, copper concentrate and/or copper matte, and part of the copper in the concentrate and/or in the matte is oxidized in order to form a slag in which the CaO/SiO2 ratio is higher than 1.5, and in which the copper content is in oxidized form and in which the lime content calculated in a CaO+SiO2+FeOx=100 system is higher than 20 %.

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WO 03025236 A1 20030327; AU 2002325965 B2 20080124; BR 0212651 A 20040824; CA 2459962 A1 20030327; CA 2459962 C 20110104; CN 1295364 C 20070117; CN 1556867 A 20041222; EA 005386 B1 20050224; EA 200400266 A1 20041028; EP 1436434 A1 20040714; FI 115536 B 20050531; FI 20011859 A0 20010921; FI 20011859 A 20030322; JP 2005503481 A 20050203; JP 3828541 B2 20061004; KR 100929520 B1 20091203; KR 20040029183 A 20040403; MX PA04002601 A 20040607; PE 20030425 A1 20030613; PL 197523 B1 20080430; PL 368532 A1 20050404; RO 122640 B1 20091030; US 2004244534 A1 20041209; YU 24704 A 20060817; ZA 200401902 B 20040908

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