Title (en)

FLOWING MELT LAYER PROCESS FOR PRODUCTION OF SULFIDES.

Title (de)

STRÖMUNGSSCHMELZSCHICHTVERFAHREN ZUR HERSTELLUNG VON SULFIDEN.

Title (fr)

PROCEDE DE PRODUCTION DE SULFURES PAR ECOULEMENT D'UNE COUCHE EN FUSION.

Publication

EP 0091948 A4 19840207 (EN)

Application

EP 82903536 A 19821012

Priority

US 31464381 A 19811026

Abstract (en)

[origin: WO8301437A1] An alkali metal oxysulfur compound is converted to a corresponding alkali metal sulfide by reaction with a solid carbonaceous material. Reaction takes place during the heating of an oxysulfur compound and carbonaceous material which results in a melt being formed. The reactants are subjected to centrifugal force and are forced to the periphery of a reaction zone where they form a downwardly flowing melt in which the reduction of the oxysulfur compound to the sulfide continues. Product is recovered from a melt exiting the reaction zone. In a preferred embodiment, one or more of the reactants enter the reaction zone tangentially entrained in a carrier gas.

IPC 1-7

C01B 17/24; D21C 11/12

IPC 8 full level

B01D 53/50 (2006.01); **B01J 8/14** (2006.01); **C01D 5/00** (2006.01); **C01B 17/24** (2006.01); **C01B 17/26** (2006.01); **D21C 11/12** (2006.01)

CPC (source: EP KR)

B01D 53/501 (2013.01 - EP); **C01B 17/26** (2013.01 - EP); **C01D 5/00** (2013.01 - KR); **D21C 11/125** (2013.01 - EP)

Designated contracting state (EPC)

DE FR GB NL SE

DOCDB simple family (publication)

WO 8301437 A1 19830428; AU 552817 B2 19860619; AU 9129382 A 19830505; BR 8207941 A 19830920; CA 1211273 A 19860916; EP 0091948 A1 19831026; EP 0091948 A4 19840207; ES 516814 A0 19831001; ES 8308803 A1 19831001; FI 72496 B 19870227; FI 72496 C 19870608; FI 832296 A0 19830622; FI 832296 L 19830622; IT 1158024 B 19870218; IT 8249353 A0 19821025; JP S58501816 A 19831027; KR 840001931 A 19840607; KR 880001606 B1 19880825

DOCDB simple family (application)

US 8201460 W 19821012; AU 9129382 A 19821012; BR 8207941 A 19821012; CA 413359 A 19821013; EP 82903536 A 19821012; ES 516814 A 19821025; FI 832296 A 19830622; IT 4935382 A 19821025; JP 50349982 A 19821012; KR 820004813 A 19821026