

Title (en)
PROCESS FOR THE PREPARATION OF RETICULATED COPPER OR NICKEL SULFIDE

Title (de)
VERFAHREN ZUR HERSTELLUNG VON VERNETZTEM KUPFER- ODER NICKELSULFID

Title (fr)
PROCEDE DE PREPARATION DE SULFURE DE CUIVRE OU DE NICKEL RETICULE

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Application
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Abstract (en)
[origin: GB2341601A] A process for the preparation of reticulated copper sulfide and/or nickel sulfide comprises the steps of: <SL> (i) subjecting a mixture comprising copper sulfide and/or nickel sulfide powder and a salt to sintering by hot isostatic pressing at elevated temperature and elevated pressure, the said salt being physically and chemically stable under the hot isostatic pressing conditions; and (ii) dissolving the salt from the sintered body by treating the sintered body with a solvent in which the said salt is soluble. </SL> The reticulated copper sulfide (eg CuS) and/or nickel sulfide (eg. Ni<SB>3</SB>S<SB>2</SB>)is used as an electrocatalytic material. The salt may be NaCl, NaBr, KCl, KBr, BaCl<SB>2</SB> or K<SB>2</SB>Co<SB>3</SB>, and the solvent may be water.

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