

Title (en)

Process and apparatus for producing arsine electrolytically

Title (de)

Verfahren und Vorrichtung zur elektrolytischen Herstellung von Arsin

Title (fr)

Procédé et dispositif de génération d'arsine par voie électrolytique

Publication

**EP 0648865 B1 19991229 (FR)**

Application

**EP 94401974 A 19940906**

Priority

FR 9311082 A 19930917

Abstract (en)

[origin: EP0648865A1] Process for generating arsine by an electrolytic route from an electrochemical cell (12) in which are arranged a cathode (7) fed with  $H^{+}$  and  $AsO_2^{-}$  ions, where two concurrent reactions take place producing arsine and gaseous hydrogen respectively, and an anode (3) where a reaction which is the source of  $H^{+}$  ions takes place, the ratio of the concentrations  $H^{+}/As$  at the cathode being controlled and kept constant.

IPC 1-7

**C25B 1/00**

IPC 8 full level

**C01G 28/00** (2006.01); **C25B 9/19** (2021.01); **C25B 15/08** (2006.01)

CPC (source: EP US)

**C25B 1/00** (2013.01 - EP US)

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

**FR 2710043 A1 19950324**; **FR 2710043 B1 19951013**; DE 69422367 D1 20000203; DE 69422367 T2 20000824; EP 0648865 A1 19950419; EP 0648865 B1 19991229; JP H07180076 A 19950718; TW 285780 B 19960911; US 5425857 A 19950620

DOCDB simple family (application)

**FR 9311082 A 19930917**; DE 69422367 T 19940906; EP 94401974 A 19940906; JP 21919894 A 19940913; TW 83108247 A 19940907; US 30583594 A 19940914