

Title (en)

Electrode for electrolysis and electrolysis unit

Title (de)

Elektrode zur Elektrolyse und Elektrolyseeinheit

Title (fr)

Électrode pour électrolyse et unité d'électrolyse

Publication

EP 1970471 A3 20090513 (EN)

Application

EP 08003969 A 20080304

Priority

- JP 2007057294 A 20070307
- JP 2008022524 A 20080201

Abstract (en)

[origin: EP1970471A2] There are disclosed an electrode for electrolysis capable of efficiently forming ozone by electrolysis of an electrolytic solution (e.g., water) at ordinary temperature with a low current density, and an electrolysis unit using the electrode. The electrode for electrolysis includes a substrate and a surface layer formed on the surface of the substrate, and the surface layer is made of an amorphous insulator, for example, a thin film of amorphous tantalum oxide, amorphous tungsten oxide or amorphous aluminum oxide.

IPC 8 full level

C25B 1/13 (2006.01); **C25B 11/04** (2006.01)

CPC (source: EP US)

C25B 1/13 (2013.01 - EP US); **C25B 11/093** (2021.01 - EP US)

Citation (search report)

[X] US 2007034505 A1 20070215 - IKEMATSU MINEO [JP], et al

Designated contracting state (EPC)

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