

Title (en)

PROCESS FOR MANUFACTURING FLUOROMALONIC ACID AND ITS DERIVATIVES

Publication

**EP 0326855 B1 19910410 (DE)**

Application

**EP 89100767 A 19890118**

Priority

DE 3802745 A 19880130

Abstract (en)

[origin: EP0326855A1] Process for manufacturing fluoromalonic acid and its derivatives of the formula <IMAGE> characterised in that compounds of the formula <IMAGE> where R<1> is a halogen with an atomic weight of 35 to 127, and R<2> and R<3> are identical or different and are hydroxyl, the group OX, where X is an alkali metal, alkaline earth or NH<sub>4</sub><sup>+</sup> ion or a C<sub>1</sub>-C<sub>12</sub>-alkyl radical or is the group NR<4>R<5>, where R<4> and R<5> are identical or different and are hydrogen or a hydrocarbon radical containing 1 to 12 C atoms, are electrolysed at a temperature from -20 DEG C to the boiling point of the electrolyte at a current density of 1 to 600 mA/cm<sup>2</sup> at a cathode composed of lead, cadmium, zinc, copper, tin, zirconium, mercury, alloys of at least two of these metals or carbon in an electrolyte liquid which is composed of water and/or an organic solvent.

IPC 1-7

**C25B 3/04**

IPC 8 full level

**C25B 3/25** (2021.01)

CPC (source: EP US)

**C25B 3/25** (2021.01 - EP US)

Citation (examination)

DE 3607446 A1 19870910 - HOECHST AG [DE]

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

**EP 0326855 A1 19890809; EP 0326855 B1 19910410**; DE 3802745 A1 19890803; DE 58900078 D1 19910516; JP H01222079 A 19890905; US 4950367 A 19900821

DOCDB simple family (application)

**EP 89100767 A 19890118**; DE 3802745 A 19880130; DE 58900078 T 19890118; JP 1649689 A 19890127; US 30244089 A 19890126