

Title (en)

METHOD FOR CARBOXYLATING TERMINAL ALKYNES

Title (de)

VERFAHREN ZUR CARBOXYLIERUNG VON TERMINALEN ALKINEN

Title (fr)

PROCEDE DE CARBOXYLATION D'ALKINES TERMINALES

Publication

EP 1060294 B1 20021218 (DE)

Application

EP 99914466 A 19990303

Priority

- DE 19809532 A 19980305
- EP 9901366 W 19990303

Abstract (en)

[origin: US6342149B1] A method for carboxylating terminal alkynes that have at least one additional aliphatic carbon atom in an alpha position and that do not have a proton which has a higher acidity than that of the proton of the terminal triple bond. In an undivided electrolysis cell equipped with a cathode and an anode, a solution of the terminal alkyne in an aprotic solvent is acted upon by carbon dioxide at a pressure higher than atmospheric pressure. The invention provides a method in which carbon dioxide is selectively inserted between the terminal C-H bond, without disturbing the triple bond, and can be carried out without a catalyst or catalyst precursor.

IPC 1-7

C25B 3/04

IPC 8 full level

C07B 41/08 (2006.01); **C07C 69/606** (2006.01); **C07C 69/608** (2006.01); **C07C 69/734** (2006.01); **C25B 3/25** (2021.01)

CPC (source: EP US)

C25B 3/25 (2021.01 - EP US)

Cited by

CN113117726A; CN113117757A

Designated contracting state (EPC)

AT BE CH DE FR GB LI NL

DOCDB simple family (publication)

US 6342149 B1 20020129; AT E230040 T1 20030115; DE 19809532 C1 19990415; DE 59903829 D1 20030130; EP 1060294 A1 20001220; EP 1060294 B1 20021218; JP 2002506119 A 20020226; JP 3325883 B2 20020917; WO 9945173 A1 19990910

DOCDB simple family (application)

US 62341800 A 20000905; AT 99914466 T 19990303; DE 19809532 A 19980305; DE 59903829 T 19990303; EP 9901366 W 19990303; EP 99914466 A 19990303; JP 2000534700 A 19990303