

Title (en)

Process for manufacturing carbamic-acid esters.

Title (de)

Verfahren zur Herstellung von Carbamidsäureestern.

Title (fr)

Procédé de production d'esters de l'acide carbamique.

Publication

**EP 0212512 A1 19870304 (DE)**

Application

**EP 86111022 A 19860809**

Priority

DE 3529531 A 19850817

Abstract (en)

[origin: US4661217A] Carbamic acid esters (I)  $R^1NHCOOR^2$  (I) wherein  $R^1$  is H, alkyl, cycloalkyl or alkylaryl and  $R^2$  is alkyl, are prepared by electro-oxidation of a formamide (II)  $R^1NHCHO$  (II) in the presence of an alcohol  $R^2OH$  and of an ionic halide.

Abstract (de)

Herstellung von Carbamidsäureestern (I)  $R^1NHCOOR^2$  (I) (mit  $R^1$  = H, Alkyl, Cycloalkyl, Alkylaryl;  $R^2$  = Alkyl) durch Elektrooxidation von Formamiden (II)  $R^1NHCHO$  (II) in Gegenwart von Alkoholen  $R^2OH$  und in Anwesenheit eines ionogenen Halogenids.

IPC 1-7

**C25B 3/02**

IPC 8 full level

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CPC (source: EP US)

**C25B 3/23** (2021.01 - EP US)

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- [A] EP 0067463 A1 19821222 - SHELL INT RESEARCH [NL]
- [A] BE 676746 A 19660818
- [A] FR 2298614 A1 19760820 - HOECHST AG [DE]

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**EP 0212512 A1 19870304**; **EP 0212512 B1 19881117**; AU 587849 B2 19890831; AU 6150786 A 19870219; CA 1275066 A 19901009; CN 1013887 B 19910911; CN 86105208 A 19870218; DE 3529531 A1 19870226; DE 3661202 D1 19881222; DK 388786 A 19870218; DK 388786 D0 19860815; FI 863246 A0 19860808; FI 863246 A 19870218; FI 86715 B 19920630; FI 86715 C 19921012; HU 199109 B 19900129; HU T43032 A 19870928; IL 79645 A0 19861130; IL 79645 A 19900712; JP H076075 B2 19950125; JP S6240389 A 19870221; NO 163965 B 19900507; NO 163965 C 19900815; NO 863297 D0 19860815; NO 863297 L 19870218; US 4661217 A 19870428; ZA 866150 B 19870429

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