

Title (en)  
CARBONYLATION PROCESS.

Title (de)  
KARBONYLIERUNGSVERFAHREN.

Title (fr)  
PROCEDE DE CARBONYLATION.

Publication  
**EP 0215848 A4 19880426 (EN)**

Application  
**EP 86901706 A 19860225**

Priority

- US 70788585 A 19850304
- US 74495185 A 19850617
- US 80638985 A 19851209
- US 82085086 A 19860124

Abstract (en)  
[origin: WO8605179A1] Process for carbonylating a nitrogen-containing organic compound, selected from the group consisting of nitro, nitroso, azo, and azoxy compounds, by reacting said nitrogen-containing organic compound, with carbon monoxide, wherein the improvement comprises the step of : (a) reacting said nitrogen-containing compound with carbon monoxide, in the presence of a primary amine and a catalyst, essentially free of redox active metal components selected from the group consisting of rhodium and ruthenium.

IPC 1-7  
**C07C 125/065; C07C 125/073; C07C 125/077; C07C 127/15; C07C 127/19**

IPC 8 full level  
**C07C 269/00** (2006.01); **C07C 269/04** (2006.01); **C07C 271/06** (2006.01); **C07C 271/28** (2006.01); **C07C 273/18** (2006.01); **C07C 275/28** (2006.01)

IPC 8 main group level  
**C07C** (2006.01)

CPC (source: EP KR)  
**C07C 269/00** (2013.01 - EP); **C07C 269/04** (2013.01 - EP KR); **C07C 273/1836** (2013.01 - EP)

Citation (search report)

- [X] CHEMICAL ABSTRACTS, vol. 78, no. 7, 19th February 1973, page 455, abstract no. 43087m, Columbus, Ohio, US; & JP-A-72 34 341 (SUMITOMO CHEMICAL CO., LTD) 21-11-1972
- [X] JOURNAL OF THE CHEMICAL SOCIETY, CHEMICAL COMMUNICATIONS, no. 19, 1984, pages 1286-1287, London, GB; S. CENINI et al.: "Selective ruthenium carbonyl catalysed reductive carbonylation of aromatic nitro compounds to carbamates"
- See references of WO 8605179A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**WO 8605179 A1 19860912**; AU 5540386 A 19860924; AU 586591 B2 19890713; BR 8605693 A 19870811; CA 1276166 C 19901113; DK 511286 A 19861024; DK 511286 D0 19861024; EP 0215848 A1 19870401; EP 0215848 A4 19880426; FI 864485 A0 19861104; FI 864485 A 19861104; KR 860007208 A 19861008; KR 940003065 B1 19940413; NO 166711 B 19910521; NO 166711 C 19910828; NO 864387 D0 19861103; NO 864387 L 19861103

DOCDB simple family (application)  
**US 8600415 W 19860225**; AU 5540386 A 19860225; BR 8605693 A 19860225; CA 503125 A 19860303; DK 511286 A 19861024; EP 86901706 A 19860225; FI 864485 A 19861104; KR 860001367 A 19860227; NO 864387 A 19861103