

Title (en)
PROCESS FOR PREPARING OPTICALLY ACTIVE CITRONELLAL

Publication
EP 0000315 B1 19800917 (FR)

Application
EP 78420001 A 19780614

Priority
FR 7721377 A 19770704

Abstract (en)
[origin: US4237072A] Neral or geranial are hydrogenated into optically active citronellal in the presence of a catalytic complex comprising a rhodium derivative and a chiral phosphine.

IPC 1-7
C07C 47/20; **C07C 45/00**; **C07B 1/00**; **B01J 31/24**

IPC 8 full level
B01J 31/00 (2006.01); **B01J 31/24** (2006.01); **C07B 61/00** (2006.01); **C07C 45/00** (2006.01); **C07C 45/62** (2006.01); **C07C 47/21** (2006.01); **C07C 67/00** (2006.01)

CPC (source: EP US)
B01J 31/188 (2013.01 - EP US); **B01J 31/24** (2013.01 - EP US); **B01J 31/2404** (2013.01 - EP US); **B01J 31/2409** (2013.01 - EP US); **B01J 31/2414** (2013.01 - EP US); **B01J 31/2457** (2013.01 - EP US); **C07C 45/62** (2013.01 - EP US); **B01J 31/20** (2013.01 - EP US); **B01J 2231/645** (2013.01 - EP US); **B01J 2531/822** (2013.01 - EP US)

C-Set (source: EP US)
C07C 45/62 + **C07C 47/21**

Cited by
FR2651152A1; US7534921B2; DE102013103563A1; WO2006040096A1; WO9102588A1; WO2007057354A1; US7973198B2; US8318985B2; US9988331B2; WO2020048975A1; JP2009515541A; US8124387B2; US9975837B2; EP3489213A1; US10301244B2; WO2021114021A1; USRE49036E

Designated contracting state (EPC)
BE CH DE GB NL

DOCDB simple family (publication)
EP 0000315 A1 19790110; **EP 0000315 B1 19800917**; CA 1117981 A 19820209; DE 2860165 D1 19801218; FR 2396735 A1 19790202; FR 2396735 B1 19800201; IT 1096979 B 19850826; IT 7825303 A0 19780704; JP S5414911 A 19790203; JP S6123775 B2 19860607; US 4237072 A 19801202

DOCDB simple family (application)
EP 78420001 A 19780614; CA 306584 A 19780630; DE 2860165 T 19780614; FR 7721377 A 19770704; IT 2530378 A 19780704; JP 8062078 A 19780704; US 92098178 A 19780630