Title (en)

Process for the preparation of 2,2'-dichlorohydrazobenzene.

Title (de)

Verfahren zur Herstellung von 2,2'-Dichlorhydrazobenzol.

Title (fr)

Procédé de préparation du dichloro-2,2'-hydrazobenzène.

Publication

EP 0000519 A1 19790207 (DE)

Application

EP 78100394 A 19780714

Priority

DE 2733747 A 19770727

Abstract (en)

[origin: US4217307A] The catalytic hydrogenation of o-nitro-chlorobenzene in aqueous alkali metal hydroxide solution with addition of an aromatic non-watermiscible solvent at an elevated temperature and under pressure using a noble metal catalyst and a polycyclic quinone as a co-catalyst leads to high and well-reproducible yields of 2,2'-dichloro-hydrazobenzene when the quinone is a derivative of anthraquinone, especially a hydroxy-anthraquinone. The product is obtained in so high a quality that it can be transformed without isolation or purification into 3,3'-dichlorobenzidine.

Abstract (de)

Die Herstellung von 2,2'-Dichlorhydrazobenzol durch katalytische Hydrierung von o-Nitrochlorbenzol in wäßriger Alkalilauge unter Zusatz eines aromatischen nichtwassermichbaren Lösemittels bei erhöhter Temperatur und erhöhtem Druck in Gegenwart eines Edelmetall-Katalysators und unter Zusatz eines polycyclischen Chinons als Co-Katalysator führt zu hohen und gut reproduzierbaren Ausbeuten, wenn der Co-Katalysator ein Anthrachinon-Derivat, insbesondere ein Hydroxyanthrachinon ist.

IPC 1-7

C07C 109/04

IPC 8 full level

B01J 31/00 (2006.01); **C07B 61/00** (2006.01); **B01J 31/28** (2006.01); **C07C 67/00** (2006.01); **C07C 241/00** (2006.01); **C07C 243/22** (2006.01)

IPC 8 main group level

C07C (2006.01)

CPC (source: EP US)

C07C 241/02 (2013.01 - EP US)

C-Set (source: EP US)

C07C 241/02 + **C07C 243/22**

Citation (search report)

- US 3156724 A 19641110 - WERNER RAYMOND E, et al
- [A] US 2794046 A 19570528 - WALTER SOGN ALLEN

Cited by

US5808154A; EP0391606A1; EP0007972A1

Designated contracting state (EPC)

BE CH DE FR GB NL

DOCDB simple family (publication)

EP 0000519 A1 19790207; **EP 0000519 B1 19800723**; CA 1111449 A 19811027; DE 2733747 B1 19790208; DE 2733747 C2 19790927; DE 2860060 D1 19801113; IT 1097303 B 19850831; IT 7826090 A0 19780725; JP S5424838 A 19790224; JP S627908 B2 19870219; US 4217307 A 19800812

DOCDB simple family (application)

EP 78100394 A 19780714; CA 308185 A 19780726; DE 2733747 A 19770727; DE 2860060 T 19780714; IT 2609078 A 19780725; JP 9056478 A 19780726; US 92785678 A 19780725