

Title (en)

Environment friendly degradation and elimination of heteroatome containing compounds.

Title (de)

Umweltgerechter Abbau und Entsorgung von heteroatomhaltigen Verbindungen.

Title (fr)

Dégradation et élimination écologique des substances contenant des hétéroatomes.

Publication

**EP 0642809 A1 19950315 (DE)**

Application

**EP 94113598 A 19940831**

Priority

AT 181993 A 19930909

Abstract (en)

Process for the environmentally compatible degradation of chemical compounds which contain one or more heteroatoms X, X denoting F, Cl, Br, I, N, O or S, by cleavage of the C-X carbon-heteroatom bonds, characterized in that the chemical compounds or articles in which the chemical compounds are contained are treated with steam in the presence of an aluminium catalyst at 300-600 DEG C.

Abstract (de)

Verfahren zum umweltgerechten Abbau von chemischen Verbindungen, die ein oder mehrere Heteroatome X, wobei X F, Cl, Br, J, N, O oder S bedeutet, aufweisen durch Spaltung der C-X Kohlenstoff-Heteroatombindungen, dadurch gekennzeichnet, daß die chemischen Verbindungen oder Gegenstände, in denen die chemischen Verbindungen enthalten sind, in Gegenwart eines Aluminiumkatalysators bei 300 - 600 °C mit Wasserdampf behandelt werden.

IPC 1-7

**A62D 3/00**

IPC 8 full level

**A62D 3/00** (2007.01); **A62D 3/20** (2007.01); **A62D 3/34** (2007.01); **A62D 3/35** (2007.01); **A62D 101/04** (2007.01); **A62D 101/22** (2007.01); **A62D 101/26** (2007.01); **A62D 101/28** (2007.01)

CPC (source: EP US)

**A62D 3/20** (2013.01 - EP US); **A62D 2101/04** (2013.01 - EP US); **A62D 2101/22** (2013.01 - EP US); **A62D 2101/26** (2013.01 - EP US); **A62D 2101/28** (2013.01 - EP US)

Citation (search report)

- [X] EP 0306540 A1 19890315 - SUPPAN FRIEDRICH
- [DX] EP 0051156 A1 19820512 - BASF AG [DE]
- [X] EP 0412456 A2 19910213 - MITSUI DU PONT FLUORCHEMICAL [JP]
- [A] US 2817580 A 19571224 - FRANCIS MARSH JOHN DAVID, et al

Cited by

EP0916388A3; EP1340533A1; EP0885648A1; US7641867B2; US8231851B2; US6855305B2; US6942841B2; US7347980B2

Designated contracting state (EPC)

AT BE CH DE DK FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0642809 A1 19950315**; AT 404431 B 19981125; AT A181993 A 19980415; US 5710359 A 19980120

DOCDB simple family (application)

**EP 94113598 A 19940831**; AT 181993 A 19930909; US 57169795 A 19951213