

Title (en)

STABLE TRIMER ISOPROPOXYALANE, METHOD FOR THE PRODUCTION AND USE THEREOF

Title (de)

STABILES TRIMERES ISOPROPOXYALAN, VERFAHREN ZU SEINER HERSTELLUNG UND SEINE VERWENDUNG

Title (fr)

ISOPROPOXYALANE TRIMERE STABLE, SON PROCEDE DE PREPARATION ET SON UTILISATION

Publication

EP 0983278 A1 20000308 (DE)

Application

EP 98925554 A 19980507

Priority

- DE 19719809 A 19970513
- EP 9802693 W 19980507

Abstract (en)

[origin: DE19719809C1] The invention relates to stable trimer isopropoxyalane of composition $H_5Al_3(OiPr)_4$, wherein iPr is a $(CH_3)_2CH$ radical. The invention also relates to a method for producing stable trimer isopropoxyalane, wherein AlH_3 is reacted with $Al(OiPr)_3$ or isopropanol in a molar ratio of 5:4 or 3:4 in a solvent or solvent mixture. The stable trimer isopropoxyalane is particularly suitable for use as a reducing agent in organic and inorganic synthesis, as a source for aluminium or aluminium oxide in the electronics or ceramics industry or to produce pigments.

IPC 1-7

C07F 5/06; C07C 31/32; C07B 31/00; C09C 1/00

IPC 8 full level

C01F 7/36 (2006.01); **C07F 5/06** (2006.01)

CPC (source: EP US)

C01F 7/36 (2013.01 - EP US); **C07F 5/069** (2013.01 - EP US)

Designated contracting state (EPC)

CH DE FR GB LI

DOCDB simple family (publication)

DE 19719809 C1 19980514; EP 0983278 A1 20000308; US 6191295 B1 20010220; WO 9851691 A1 19981119

DOCDB simple family (application)

DE 19719809 A 19970513; EP 9802693 W 19980507; EP 98925554 A 19980507; US 42359500 A 20000112