

Title (en)

PROCESS FOR THE SYNTHESIS OF ISOTHIOCYANATES AND DERIVATIVES THEREOF AND USES OF SAME

Title (de)

VERFAHREN FÜR DIE SYNTHESE VON ISOTHIOCYANATEN UND DERIVATEN DARAUS SOWIE IHRE VERWENDUNG

Title (fr)

PROCEDE DE SYNTHESE D'ISOTHIOCYANATES ET LEURS DERIVES ET UTILISATIONS DE CEUX-CI

Publication

**EP 2595953 A1 20130529 (FR)**

Application

**EP 11734106 A 20110720**

Priority

- BE 201000456 A 20100723
- EP 2011062477 W 20110720

Abstract (en)

[origin: WO2012010644A1] Process for the synthesis of an isothiocyanate of general formula (I) SCN-R1-R4-R2 in which R1 and R2 represent, independently of one another, an alkyl, aryl or alkylaryl group, R4 represents a carbonyl, sulphinyl or sulphonyl group or a sulphide and derivatives thereof comprising a step of reacting an alkylalkylamine having the general formula (II) NH2 \_R1 \_ R4 \_R2 in which R1 and R2 represent, independently of one another, an alkyl, aryl or alkylaryl group, R4 represents a carbonyl, sulphinyl, sulphonyl or sulphide group, in the presence of carbon sulphide and of di-tert-butyl dicarbonate with formation of the aforesaid corresponding isothiocyanate, compounds obtained by this process and also uses thereof.

IPC 8 full level

**C07C 315/02** (2006.01); **A61K 31/17** (2006.01); **A61K 31/26** (2006.01); **C07C 317/28** (2006.01); **C07C 319/14** (2006.01); **C07C 319/20** (2006.01); **C07C 323/25** (2006.01); **C07C 323/60** (2006.01); **C07C 331/20** (2006.01); **C07C 333/04** (2006.01); **C07C 333/20** (2006.01); **C07C 335/08** (2006.01); **C07D 211/06** (2006.01); **C07D 241/04** (2006.01); **C07D 265/30** (2006.01)

CPC (source: EP US)

**A61P 17/00** (2017.12 - EP); **A61P 17/04** (2017.12 - EP); **A61P 17/16** (2017.12 - EP); **A61P 29/00** (2017.12 - EP); **A61P 35/00** (2017.12 - EP); **A61P 37/08** (2017.12 - EP); **A61P 39/00** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **C07C 315/02** (2013.01 - EP US); **C07C 319/14** (2013.01 - EP US); **C07C 319/20** (2013.01 - EP US); **C07C 331/20** (2013.01 - EP US); **C07C 331/24** (2013.01 - US); **C07C 333/04** (2013.01 - EP US); **C07C 333/20** (2013.01 - EP US); **C07C 335/08** (2013.01 - EP US); **C07D 211/58** (2013.01 - EP US); **C07D 295/215** (2013.01 - EP US)

C-Set (source: EP US)

1. **C07C 315/02 + C07C 317/28**
2. **C07C 319/14 + C07C 323/25**
3. **C07C 319/14 + C07C 323/60**
4. **C07C 319/20 + C07C 323/25**
5. **C07C 319/20 + C07C 323/60**

Citation (search report)

See references of WO 2012010644A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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