

Title (en)

FURAZANE DERIVATIVES, PREPARATION THEREOF AND ENERGETIC COMPOSITIONS CONTAINING THEM

Title (de)

FURAZANDERIVATE, IHRE HERSTELLUNG UND ENERGETISCHE ZUSAMMENSETZUNGEN DAMIT

Title (fr)

DERIVES DU FURAZANE, LEUR PREPARATION ET LES COMPOSITIONS ENERGETIQUES LES RENFERMANT.

Publication

EP 2125796 A1 20091202 (FR)

Application

EP 08761937 A 20080115

Priority

- FR 2008050066 W 20080115
- FR 0752689 A 20070116

Abstract (en)

[origin: FR2911339A1] Furazan compounds substituted in position 3 with a nitro group or with a nitrofurazanyloxy, nitrofurazanylhydrazino or nitrofurazanylazoxy group and in position 4 with an azolyl group, preferably nitroazolyl or tetrazolyl, are new. Compounds of formula (I) are new. R : nitro or one of the three nitrofurazanyl-containing groups of formulae (a)-(c); Het : azolyl group, preferably nitroazolyl or tetrazolyl. Independent claims are also included for: (1) a method (M1) for the preparation of (I) by coupling nitrofurazans of formula (IIa) with azoles of formula (IIb) by nucleophilic substitution in a polar organic medium in presence of a base (2) methods (M2) for the preparation of (I) in which the heterocyclic substituent at position 4 is an optionally substituted 1,2,3,4-tetrazol-1-yl group or a nitrotriazolyl group (3) methods (M3) for the preparation of (I) in which the substituent at position 3 is one of the three nitrofurazan-containing groups shown above (4) energy-producing compositions (EPC) containing (I). [Image] [Image].

IPC 8 full level

C07D 413/04 (2006.01); **C07D 413/14** (2006.01)

CPC (source: EP US)

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Citation (search report)

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