

Title (en)

MODULATORS OF THE POTASSIUM CHANNELS TWIK-1, TASK-1, GIRK1, SK2 OR PCN1, USED TO TREAT ARRHYTHMIA, CORONARY HEART DISEASE OR HYPERTENSION

Title (de)

MODULATOREN DER KALIUMKANÄLE TWIK-1, TASK-1, GIRK1, SK2 ODER PCN1 ZUR BEHANDLUNG VON ARRHYTHMIEN, KORONARER HERZKRANKHEITEN ODER BLUTHOCHDRUCK

Title (fr)

MODULATEURS DES CANAUX POTASSIUM TWIK-1, TASK-1, GIRK1, SK2 OU PCN1 POUR LE TRAITEMENT DES ARYTHMIES, DES CORONAROPATHIES OU DE L'HYPERTENSION

Publication

**EP 1658312 A1 20060524 (DE)**

Application

**EP 04740690 A 20040706**

Priority

- EP 2004007364 W 20040706
- DE 10332685 A 20030718

Abstract (en)

[origin: DE10332685A1] Use of at least one modulator (I) of the potassium channels TWIK-1, TASK-1, GIRK1, SK2 or PCN1 for preparing a composition for the treatment and/or prophylaxis of cardiac rhythm disorders, coronary heart disease and hypertension. Independent claims are also included for the following: (1) screening compounds to identify (I); (2) (I) as new compounds; and (3) use of modulators (Ia) of gene products that are differentially expressed in the heart between the left atrium and left ventricle, to prepare a composition for treatment of cardiac rhythm disorders, coronary heart disease and hypertension. ACTIVITY : Antiarrhythmic; Cardiant; Hypotensive. No details of tests for these activities are given. MECHANISM OF ACTION : Modulation of potassium channels preferentially expressed in the atrium.

IPC 1-7

**C07K 14/705**; **A61P 9/06**

IPC 8 full level

**A61P 9/06** (2006.01); **C07K 14/705** (2006.01); **A61K 38/00** (2006.01)

CPC (source: EP US)

**A61P 9/00** (2017.12 - EP); **A61P 9/06** (2017.12 - EP); **C07K 14/705** (2013.01 - EP US); **A61K 38/00** (2013.01 - EP US)

Citation (search report)

See references of WO 2005016965A1

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