Title (en)
METHOD FOR DETERMINING AN ACTIVE INGREDIENT DOSAGE

Title (de)
VERFAHREN ZUR BESTIMMUNG EINER WIRKSTOFFDOSIERUNG

Title (fr)
PROCEDE POUR DETERMINER UN DOSAGE DE SUBSTANCE ACTIVE

Publication
EP 1671250 A2 20060621 (DE)

Application
EP 04765437 A 20040921

Priority
• EP 2004010560 W 20040921
• DE 10345837 A 20031002

Abstract (en)
[origin: US2005074803A1] Method for determining the dose of at least one active agent based on a genetic analysis. The method comprises analyzing specific genes for their nucleotide sequence or their expression levels of gene-specific proteins and/or RNA molecules. The gene-specific data is assigned one or more relevant physiological functions of the human or animal body, in particular those which have an influence on the metabolism, absorption, excretion or distribution of the active agent in the body. The gene-specific data and the assigned physiological functions are then integrated into a physiology-based pharmacokinetic model (PBPK model). The PBPK model integrates pharmacokinetic data relating to one or more active agents. The PBPK model may also receive and evaluate patient-specific data directly inputted and combined with data from a knowledge database comprising known values of pharmacokinetic parameters. The PBPK's integration of these data provide a calculation of the individual dose of the active agent.

IPC 1-7
G06F 19/00

IPC 8 full level
G16B 20/20 (2019.01); **G16H 10/60** (2018.01); **G16H 20/10** (2018.01)

CPC (source: EP US)
A61P 9/04 (2017.12 - EP); **G16B 20/00** (2019.01 - EP US); **G16B 20/20** (2019.01 - EP US); **G16H 20/10** (2017.12 - EP US)

Citation (search report)
See references of WO 2005033334A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2005074803 A1 20050407; AU 2004278478 A1 20050414; CA 2540789 A1 20050414; DE 10345837 A1 20050421; EP 1671250 A2 20060621; JP 2007510970 A 20070426; WO 2005033334 A2 20050414; WO 2005033334 A3 20050929

DOCDB simple family (application)
US 94798204 A 20040923; AU 2004278478 A 20040921; CA 2540789 A 20040921; DE 10345837 A 20031002; EP 04765437 A 20040921; EP 2004010560 W 20040921; JP 2006529998 A 20040921