Title (en)
METHODS AND APPARATUSES FOR NONINVASIVE DETERMINATIONS OF ANALYTES

Title (de)
VERFAHREN UND VORRICHTUNGEN ZUR NICHT-INVASIVEN ANALYTBESTIMMUNG

Title (fr)
PROCEDES ET APPAREILS DE DETERMINATION NON INVASIVE D'ANALYTE

Publication
EP 1855586 A2 20071121 (EN)

Application
EP 06734668 A 20060209

Priority
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Abstract (en)
[origin: WO2006086566A2] A new family of methods to improve the accuracy of analyte concentrations measured in samples that both absorb and scatter light. A novel family of methods for determining analyte concentrations in a sample from one or more optical measurements. These methods improve the accuracy of analyte determinations in material samples that both scatter and absorb light. These methods can measure new samples with optical properties that are different from the samples used to calibrate the method. This overcomes a known limitation for applying existing methods in many practical applications where the method appears to perform well on a calibration set but performs poorly on new sample types that require extrapolation or interpolation. These new methods also overcome limitations in applying linear prediction methods based on Beer's law to samples that span a range of optical measurement or sample properties that violates its inherent assumptions.

IPC 8 full level
G01J 3/00 (2006.01); **A61B 5/00** (2006.01); **G01J 3/28** (2006.01); **G01J 3/42** (2006.01); **G01J 3/427** (2006.01); **G01N 33/48** (2006.01)

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Citation (search report)
See references of WO 2006086566A2

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DOCDB simple family (publication)
WO 2006086566 A2 20060817; **WO 2006086566 A3 20090409**; CA 2597234 A1 20060817; CN 101151513 A 20080326; CN 101501464 A 20090805; EP 1855586 A2 20071121; JP 2008530536 A 20080807

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