

Title (en)  
ESTIMATING BILIRUBIN LEVELS

Title (de)  
MESSUNG VON BILIRUBINPEGELN

Title (fr)  
ESTIMATION DE NIVEAUX DE BILIRUBINE

Publication  
**EP 2967359 A4 20170111 (EN)**

Application  
**EP 14784645 A 20140312**

Priority  
• US 201361777097 P 20130312  
• US 2014024761 W 20140312

Abstract (en)  
[origin: WO2014172033A1] Systems, methods, and devices are provided for estimating bilirubin levels. In one aspect, a method for estimating the level of bilirubin in a patient includes receiving image data for at least one image including a region of the patient's skin and a color calibration target. Color-balanced image data for the skin region is generated based on a subset of the image data corresponding to the color calibration target and the skin region. The bilirubin level in the patient is estimated based on the color-balanced image data for the skin region.

IPC 8 full level  
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CPC (source: EP)  
**A61B 5/0077** (2013.01); **A61B 5/1032** (2013.01); **A61B 5/1034** (2013.01); **A61B 5/443** (2013.01); **A61B 5/6898** (2013.01);  
**A61B 2503/04** (2013.01); **A61B 2576/00** (2013.01); **G16H 30/40** (2017.12)

Citation (search report)  
• [X] US 2011206254 A1 20110825 - PATWARDHAN SACHIN V [US]  
• [X] US 6178341 B1 20010123 - MACFARLANE DARBY S [US], et al  
• [X] US 6045502 A 20000404 - EPPSTEIN JONATHAN A [US], et al  
• [X] US 2003002722 A1 20030102 - JAY GREGORY D [US], et al  
• [X] US 5671735 A 19970930 - MACFARLANE DARBY SIMPSON [US], et al  
• See references of WO 2014172033A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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KR 102237583 B1 20210407; KR 20150128916 A 20151118

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**US 2014024761 W 20140312**; EP 14784645 A 20140312; JP 2016501634 A 20140312; KR 20157028278 A 20140312