

Title (en)  
TRANSMISSION RAMAN SAMPLE ANALYSIS

Title (de)  
TRANSMISSIONS-RAMAN-PROBENANALYSE

Title (fr)  
ANALYSE D'ÉCHANTILLONS PAR SPECTROSCOPIE RAMAN EN TRANSMISSION

Publication  
**EP 2965064 A4 20161130 (EN)**

Application  
**EP 14759534 A 20140305**

Priority  
• US 201361772694 P 20130305  
• US 2014020757 W 20140305

Abstract (en)  
[origin: WO2014138238A1] Systems and methods for analyzing samples in containers are provided, where an emitter emits radiation at a first location on the container, with a portion of the radiation passing through the container and into the sample, some of the radiation is reflected within the container, a detector receives a transmission Raman signal including Raman radiation from multiple portions of the sample, and a comparator compares the transmission Raman signal with the radiation emitted by the emitter.

IPC 8 full level  
**G01N 21/65** (2006.01); **G01N 21/03** (2006.01)

CPC (source: EP)  
**G01N 21/031** (2013.01); **G01N 21/65** (2013.01); **G01N 2021/651** (2013.01)

Citation (search report)  
• [A] CN 101871891 A 20101027 - JINFU HUANG  
• [A] US 2012092663 A1 20120419 - KULL LINDA S [US], et al  
• [XI] MATTHEW BLOOMFIELD ET AL: "Non-invasive identification of incoming raw pharmaceutical materials using Spatially Offset Raman Spectroscopy", JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol. 76, 16 December 2012 (2012-12-16), US, pages 65 - 69, XP055312453, ISSN: 0731-7085, DOI: 10.1016/j.jpba.2012.11.046  
• [XI] WILLIAM J OLDS ET AL: "Spatially offset Raman spectroscopy (SORS) for the analysis and detection of packaged pharmaceuticals and concealed drugs", FORENSIC SCIENCE INTERNATIONAL, ELSEVIER SCIENTIFIC PUBLISHERS IRELAND LTD, IE, vol. 212, no. 1, 12 May 2011 (2011-05-12), pages 69 - 77, XP028284191, ISSN: 0379-0738, [retrieved on 20110519], DOI: 10.1016/J.FORSCIINT.2011.05.016  
• [X] IZAKE ET AL: "Forensic and homeland security applications of modern portable Raman spectroscopy", FORENSIC SCIENCE INTERNATIONAL, ELSEVIER SCIENTIFIC PUBLISHERS IRELAND LTD, IE, vol. 202, no. 1-3, 10 October 2010 (2010-10-10), pages 1 - 8, XP027279080, ISSN: 0379-0738, [retrieved on 20100414]  
• [A] ANDERS SPARÉN ET AL: "Transmission Raman Spectroscopy for Quantitative Analysis of Pharmaceutical Solids", AMERICAN PHARMACEUTICAL REVIEW, January 2009 (2009-01-01), pages 62 - 71, XP055312826, Retrieved from the Internet <URL:https://www.researchgate.net/profile/Anders\_Sparen/publication/228496325\_Transmission\_Raman\_Spectroscopy\_for\_Quantitative\_Analysis\_of\_Pharmaceutical\_Solids/links/00b49521af7f49aa68000000.pdf?origin=publication\_detail> [retrieved on 20161021]  
• See references of WO 2014138238A1

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

DOCDB simple family (publication)  
**WO 2014138238 A1 20140912**; EP 2965064 A1 20160113; EP 2965064 A4 20161130

DOCDB simple family (application)  
**US 2014020757 W 20140305**; EP 14759534 A 20140305