

Title (en)
PARAFFIN SHIELD COATING FOR MICROSCOPE SLIDE

Title (de)
PARAFFINSCHILDBESCHICHTUNG FÜR MIKROSKOPOBJEKTTRÄGER

Title (fr)
REVÊTEMENT DE PROTECTION EN PARAFFINE DE LAME DE MICROSCOPE

Publication
EP 3639078 A4 20210331 (EN)

Application
EP 18817800 A 20180615

Priority
• US 201762520169 P 20170615
• US 201762520319 P 20170615
• CN 2018091383 W 20180615

Abstract (en)
[origin: WO2018228508A1] A shield coating on a microscope slide is provided. Particularly, the selective application of a paraffin layer to shield biomaterials and inorganic chemical deposits from microbial attack and oxidation is provided. More particularly, the application of a paraffin layer on a microscope slide as an exposure shield over deposited biomaterial reactive targets is also provided. The paraffin shield layer blocks the biomaterial and chemical targets from exposure, which may lead to degradation due to oxidation and provides resistance to fungal growth, while using the existing stain processing steps to remove the paraffin from the shield and co-resident tissue section.

IPC 8 full level
G01N 33/53 (2006.01); **G01N 1/30** (2006.01); **G01N 33/543** (2006.01); **G01N 33/574** (2006.01); **G02B 1/14** (2015.01); **G02B 21/34** (2006.01)

CPC (source: EP KR)
G01N 33/543 (2013.01 - EP); **G02B 1/14** (2015.01 - EP KR); **G02B 21/34** (2013.01 - EP KR)

Citation (search report)
• [Y] ECONOMOU MARY ET AL: "Proper paraffin slide storage is crucial for translational research projects involving immunohistochemistry stains", CLINICAL AND TRANSLATIONAL MEDICINE, vol. 3, no. 1, 1 December 2014 (2014-12-01), SE, XP055776990, ISSN: 2001-1326, DOI: 10.1186/2001-1326-3-4
• [Y] DIVITO KYLE A ET AL: "Long-term preservation of antigenicity on tissue microarrays", LABORATORY INVESTIGATION, vol. 84, no. 8, 14 June 2004 (2004-06-14), The United States and Canadian Academy of Pathology, Inc., pages 1071 - 1078, XP055777031, ISSN: 0023-6837, Retrieved from the Internet <URL:http://www.nature.com/articles/3700131> DOI: 10.1038/labinvest.3700131
• [Y] GELB ARNOLD B ET AL: "Evaluation of Methods for Preserving PTEN Antigenicity in Stored Paraffin Sections", vol. 19, no. 6, 1 December 2011 (2011-12-01), pages 569 - 573, XP009525731, ISSN: 1541-2016, Retrieved from the Internet <URL:https://journals.lww.com/00129039-201112000-00016> DOI: 10.1097/PAI.0B013E318217A3D3

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 2018228508 A1 20181220; CN 110741301 A 20200131; CN 110741301 B 20211105; EP 3639078 A1 20200422; EP 3639078 A4 20210331; JP 2020523613 A 20200806; JP 7284160 B2 20230530; KR 102368836 B1 20220228; KR 20200036849 A 20200407

DOCDB simple family (application)
CN 2018091383 W 20180615; CN 201880039119 A 20180615; EP 18817800 A 20180615; JP 2020519171 A 20180615; KR 20207001289 A 20180615