506969837 11/10/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7016675

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
REFINITIV US LLC	11/01/2020

RECEIVING PARTY DATA

Name:	REFINITIV US ORGANIZATION LLC
Street Address:	THREE TIMES SQUARE
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10036

PROPERTY NUMBERS Total: 9

Property Type	Number
Patent Number:	8666862
Patent Number:	8812379
Patent Number:	8732050
Patent Number:	8515848
Patent Number:	8185462
Patent Number:	7925565
Patent Number:	7689494
Patent Number:	7516095
Patent Number:	7844523

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: patents@refinitiv.com

Correspondent Name: LONDON STOCK EXCHANGE GROUP

Address Line 1: C/O REFINITIV - INTELLECTUAL PROPERTY

Address Line 2: 28 LIBERTY STREET

Address Line 4: NEW YORK, NEW YORK 10005

NAME OF SUBMITTER: KATY PARSONS
SIGNATURE: /katy parsons/

PATENT 506969837 REEL: 058070 FRAME: 0022

DATE SIGNED: 11/10/2021

Total Attachments: 16

source=Patent Assignment of intellectual property rights RUS RUSO Redacted#page1.tif source=Patent Assignment of intellectual property rights RUS RUSO Redacted#page2.tif source=Patent Assignment of intellectual property rights RUS RUSO Redacted#page3.tif source=Patent Assignment of intellectual property rights RUS RUSO Redacted#page4.tif source=Patent Assignment of intellectual property rights RUS RUSO Redacted#page5.tif source=Patent Assignment of intellectual property rights RUS RUSO Redacted#page6.tif source=Patent Assignment of intellectual property rights RUS RUSO Redacted#page7.tif source=Patent Assignment of intellectual property rights RUS RUSO Redacted#page8.tif source=Patent Assignment of intellectual property rights RUS RUSO Redacted#page9.tif source=Patent Assignment of intellectual property rights RUS RUSO Redacted#page10.tif source=Patent Assignment of intellectual property rights RUS RUSO Redacted#page11.tif source=Patent Assignment of intellectual property rights RUS RUSO_Redacted#page12.tif source=Patent Assignment of intellectual property rights RUS RUSO Redacted#page13.tif source=Patent Assignment of intellectual property rights RUS RUSO Redacted#page14.tif source=Patent Assignment of intellectual property rights RUS RUSO Redacted#page15.tif source=Patent Assignment of intellectual property rights RUS RUSO_Redacted#page16.tif

- (1) REFINITIV US LLC
- (2) REFINITIV US ORGANIZATION LLC

.

ASSIGNMENT

in respect of

Intellectual Property Rights

REFINITIV

This Assignment, effective as of 1 November 2020, is between:

Parties

- (1) REFINITIV US LLC, a Delaware limited liability company, with its principal place of business at Refinitiv, Three Times Square, New York, NY 10036, United States of America ("Assignor"); and
- (2) REFINITIV US ORGANIZATION LLC, a Delaware company with its principal place of business at Refinitiv, Three Times Square, New York, NY 10036, United States of America ("Assignee").

BACKGROUND

- (A) The parties are members of the same group of companies and are in the business of acquiring, managing and developing, enhancing and producing content and technology that supports their offerings to customers in financial and risk and other related markets.
- (B) Pursuant to the Transaction Documents, all relating to the sale of the Advisor Software Inc business to the Assignor and its affiliates (the "Transaction"), Assignor owns the Assigned Rights.
- (C) Assignor has agreed to assign to Assignee the Assigned Rights on the terms set out in this Assignment.

Agreed terms

1. Interpretation

The following definitions and rules of interpretation apply in this Assignment and the recitals above.

1.1 Definitions:

Assigned Rights: any and all Intellectual Property Rights owned by the Assignor pursuant to the Transaction, including but not limited to (a) the patents, trade marks, software, copyright, unregistered Intellectual Property Rights and licensed intellectual property set out in Schedule 1 and; (b) all physical and tangible materials incorporating or embodying the Assigned Rights.

Business Day: a day other than a Saturday, Sunday or public holiday in New York when banks in New York are open for business.

Intellectual Property Rights: patents, utility models, rights to inventions, copyright and neighbouring and related rights, trade marks and service marks, business names and domain names, rights in get-up and trade dress, goodwill and the right to sue for passing off or unfair competition, rights in designs, database rights, rights to use, and

protect the confidentiality of, confidential information (including know-how and trade secrets) and all other intellectual property rights, in each case whether registered or unregistered and including all applications and rights to apply for and be granted, renewals or extensions of, and rights to claim priority from, such rights and all similar or equivalent rights or forms of protection which subsist or will subsist now or in the future in any part of the world.

Personnel: officers, directors, employees, independent contractors, representatives, consultants, interns and temporary workers, and agents.

Transaction Documents: asset purchase agreement between Advisor Software Inc and Assignor dated 24 July 2020 and all documents related and subsequent to such asset purchase agreement.

- 1.2 Clause, Schedule and paragraph headings shall not affect the interpretation of this Assignment.
- 1.3 A person includes a natural person, corporate or unincorporated body (whether or not having separate legal personality).
- 1.4 The Schedules form part of this Assignment and shall have effect as if set out in full in the body of this Assignment. Any reference to this Assignment includes the Schedules.
- 1.5 References to clauses and Schedules are to the clauses and Schedules of this Assignment.
- 1.6 Unless the context otherwise requires, words in the singular shall include the plural and in the plural shall include the singular.
- 1.7 Unless the context otherwise requires, a reference to one gender shall include a reference to the other genders.
- 1.8 This Assignment shall be binding on, and endure to the benefit of, the parties to this Assignment and their respective personal representatives, successors and permitted assigns, and references to any party shall include that party's personal representatives, successors and permitted assigns.
- 1.9 A reference to a statute or statutory provision is a reference to it as amended, extended or re-enacted from time to time.
- 1.10 A reference to a statute or statutory provision shall include all subordinate legislation made from time to time under that statute or statutory provision.
- 1.11 A reference to writing or written includes fax but not email.

1.12 Any words following the terms including, include, in particular, for example or any similar expression shall be construed as illustrative and shall not limit the sense of the words, description, definition, phrase or term preceding those terms.

2. Assignment

In consideration of

, the Assignor hereby assigns

to the Assignee absolutely with full title guarantee all its right, title and interest in and to the Assigned Rights, including:

- (a) the absolute entitlement to any registrations granted pursuant to any of the applications comprised in the patents, registered designs and trade marks;
- (b) all goodwill attaching to any or all of the Assigned Rights, including but not limited to the trade marks and to that part of the Assignor's business that relates to the goods or services for which the trade marks are registered or used; and
- (c) the right to bring, make, oppose, defend, appeal proceedings, claims or actions and obtain relief (and to retain any damages recovered) in respect of any infringement, or any other cause of action arising from ownership, of any of the Assigned Rights whether occurring before, on, or after the date of this Assignment.

3. Warranties

The Assignor warrants that:

- (a) it is the sole legal and beneficial owner of, and owns all the rights and interests in, the Assigned Rights;
- for each of the applications and registrations listed in Schedule 1, it is properly registered as the applicant or registered proprietor, and all application, registration and renewal fees have been paid;
- (c) the Assigned Rights are free from any security interest, option, mortgage, charge or lien;
- (d) it is unaware of any infringement or likely infringement of any of the Assigned Rights;
- (e) as far as it is aware, all the Assigned Rights are valid and subsisting and there are and have been no claims, challenges, disputes or proceedings, pending or threatened, in relation to the ownership, validity or use of any of the Assigned Rights, and there is nothing that might prevent any application listed in Schedule 1 proceeding to grant; and
- (f) as far as it is aware, exploitation of the Assigned Rights will not infringe the rights of any third party.

4. Further assurance

- 4.1 At the Assignee's expense the Assignor shall, and shall use all reasonable endeavours to procure that any necessary third party shall, execute and deliver such documents and perform such acts as may reasonably be required for the purpose of giving full effect to this Assignment, including:
 - registration of the Assignee as applicant or (as applicable) proprietor of the Assigned Rights; and
 - (b) assisting the Assignee in obtaining, defending and enforcing the Assigned Rights, and assisting with any other proceedings which may be brought by or against the Assignee against or by any third party relating to the Assigned Rights.
- 4.2 The Assignor appoints the Assignee to be its attorney in its name and on its behalf to execute documents, use the Assignor's name and do all things which are necessary or desirable for the Assignee to obtain for itself or its nominee the full benefit of this Assignment.
- 4.3 This power of attorney is irrevocable and is given by way of security to secure the performance of the Assignor's obligations under this Assignment and the proprietary interest of the Assignee in the Assigned Rights and so long as such obligations of the Assignor remain undischarged, or the Assignee has such interest, the power may not be revoked by the Assignor, save with the consent of the Assignee.
- 4.4 Without prejudice to clause 4.2, the Assignee may, in any way it thinks fit and in the name and on behalf of the Assignor:
 - (a) take any action that this Assignment requires the Assignor to take;
 - (b) exercise any rights which this Assignment gives to the Assignor; and
 - (c) appoint one or more persons to act as substitute attorney(s) for the Assignor and to exercise such of the powers conferred by this power of attorney as the Assignee thinks fit and revoke such appointment.
- 4.5 The Assignor undertakes to ratify and confirm everything that the Assignee and any substitute attorney does or arranges or purports to do or arrange in good faith in exercise of any power granted under this clause.

5. Waiver

- 5.1 A waiver of any term, provision or condition of, or consent granted under, this Assignment shall be effective only if given in writing and signed by the waiving or consenting party and then only in the instance and for the purpose for which it is given.
- 5.2 No failure or delay on the part of either party in exercising any right, power or privilege under this Assignment shall operate as a waiver thereof, nor shall any single or partial

exercise of any such right, power or privilege preclude any other or further exercise thereof or the exercise of any other right, power or privilege.

6. Entire Agreement

- 6.1 This Assignment, together with any ancillary documents referred to herein, constitutes the entire agreement of the parties and supersedes all prior agreements and undertakings (whether written or oral) between the parties with respect to its subject matter.
- 6.2 Each party acknowledges that it has not been induced to enter into this Assignment in reliance on, nor has it been given, any condition, representation, statement, assurance, covenant, deed, undertaking, indemnity or commitment of any nature whatsoever other than as are expressly set out in this Assignment and to the extent that any of them has been, it unconditionally and irrevocably waives any claims, rights or remedies which any of them might otherwise have had in relation thereto, provided that nothing in this clause shall limit or exclude any liability for fraud.

7. Variation

No variation of this Assignment shall be effective unless it is in writing and signed by the parties (or their authorised representatives). Clause 9 shall apply.

8. Invalidity and severability

- 8.1 If any provision of this Assignment is or becomes (whether or not pursuant to any judgment or otherwise) invalid, illegal or unenforceable in any respect under the law of any jurisdiction:
 - (a) the validity, legality and enforceability under the law of that jurisdiction of any other provision; and
 - (b) the validity, legality and enforceability under the law of any other jurisdiction of that or any other provision,

shall not be affected in any way thereby.

8.2 If any provision of this Assignment shall be held to be void or declared illegal, invalid or unenforceable for any reason whatsoever, such provision shall be divisible from this Assignment and shall be deemed to be deleted from this Assignment and the validity of the remaining provisions shall not be affected. If any such deletion materially affects the interpretation of this Assignment or the economic or legal substance of the transactions contemplated by it, then the parties shall negotiate in good faith with a view to agreeing a substitute provision which as closely as possible reflects the commercial intention of the parties.

9. Counterparts

- 9.1 This Assignment may be executed in several identical counterparts, all of which taken together will constitute one single agreement between the parties.
- 9.2 Delivery of an executed signature page of a counterpart in Adobe™ Portable Document Format (PDF) sent by electronic mail shall take effect as delivery of an executed counterpart of this Assignment.
- 9.3 This Assignment, any variation of it, and any consent required under it may be given or executed electronically using a recognized digital transaction management platform including that provided by DocuSign Inc., and any requirement in this Assignment to a document being "signed" shall be interpreted accordingly.

10. Third party rights

Nothing in this Assignment is intended to or shall confer upon any third party any legal or equitable right, benefit or remedy of any nature whatsoever under or by reason of this Assignment.

11. Notices

- 11.1 Subject to clause 11.3, any communication to be made between the parties under or in connection with this Assignment may be made by electronic mail or other electronic means and the parties so agree that:
 - (a) each shall notify each other in writing of their electronic mail address and/or any other information required to enable the sending and receipt of information by that means; and
 - (b) notify each other of any change to their address or any other such information supplied by them.
- 11.2 Any electronic communication made between the parties will be effective only when actually received in readable form.
- 11.3 Clause 11.1 will not apply to notices to be served under clause 12.1 or to any other notices to be served under any other part of this Assignment which will, or might reasonably be expected to, affect materially the rights or obligations of one or both of the parties under this Assignment, all of which may only be made in accordance with clause 11.4
- 11.4 Subject to clause 11.1, any notice, demand or other communication shall either by made by first class, registered or certified mail to the recipient's address specified at the start of this Assignment or by way of fax to the recipient's main fax number.

12. Dispute resolution and law

- 12.1 The parties intend to attempt to resolve disputes informally. Any disputes between the parties arising out of or relating to this Assignment which cannot be resolved within ten working days after it has first arisen shall, wherever reasonably possible, be subject to the following escalation procedure:
 - (a) either party may serve written notice specifying the nature of the dispute, the amount of Marketing Support Fees involved, and any other relevant facts ("Dispute Notice").
 - (b) the parties shall refer the dispute for resolution to their respective senior Personnel, who shall discuss the matter in person or by telephone within 5 working days of receipt of the Dispute Notice. Any agreed resolution of the dispute shall be recorded in writing.
- 12.2 The construction, performance and validity of this Assignment will be governed by the laws of the state of New York.
- 12.3 If the parties are unable to resolve a dispute within 10 working days after receipt of a Dispute Notice by the application of the informal procedure set out in clause 12.1, then the dispute shall be resolved by either party commencing binding arbitration pursuant to the UNCITRAL arbitration rules. The arbitration shall be before a panel of three arbitrators, with one arbitrator selected by each party, and the third arbitrator selected by the two appointed arbitrators. At least one arbitrator will be an attorney. The arbitration shall be conducted in New York, United States unless otherwise agreed by the parties. The arbitrators shall have the authority to grant any remedies and to make any decisions consistent with the terms and conditions of this Assignment. Each party shall bear its own costs and legal expenses in connection with an arbitration brought pursuant to this clause. Nothing in this clause shall preclude either party from having immediate recourse to a court of competent jurisdiction to:
 - (a) enforce the terms of, or an arbitration award under, this clause;
 - (b) seek a temporary restraining order, preliminary injunction or other equitable relief, where such relief is necessary to protect its interests; or
 - (c) grant recovery of specific property.

All matters relating to arbitration shall be strictly confidential.

12.4 Assignor and Assignee shall continue to perform their respective obligations under this Assignment pending the resolution of a dispute.

IN WITNESS WHEREOF, the parties have caused this document to be executed and delivered by their duly authorised representatives as of the date of the last signature below.

Refinitiv US	SLLC	Refinitiv US Organization LLC
	Mark Irving	Bartholomew Divita
Name	Docusigned by: Hark Ining B4BB42978A64488	Name ——Docusigned by: Bartholomew Divita
Signature	B4BB4Z978A04488	Signature GDC3EE09D0D7458
	October 22, 2020	October 22, 2020
Date		Date

Schedule 1

Assigned Rights

The Assigned Rights include, but are not limited to, the below.

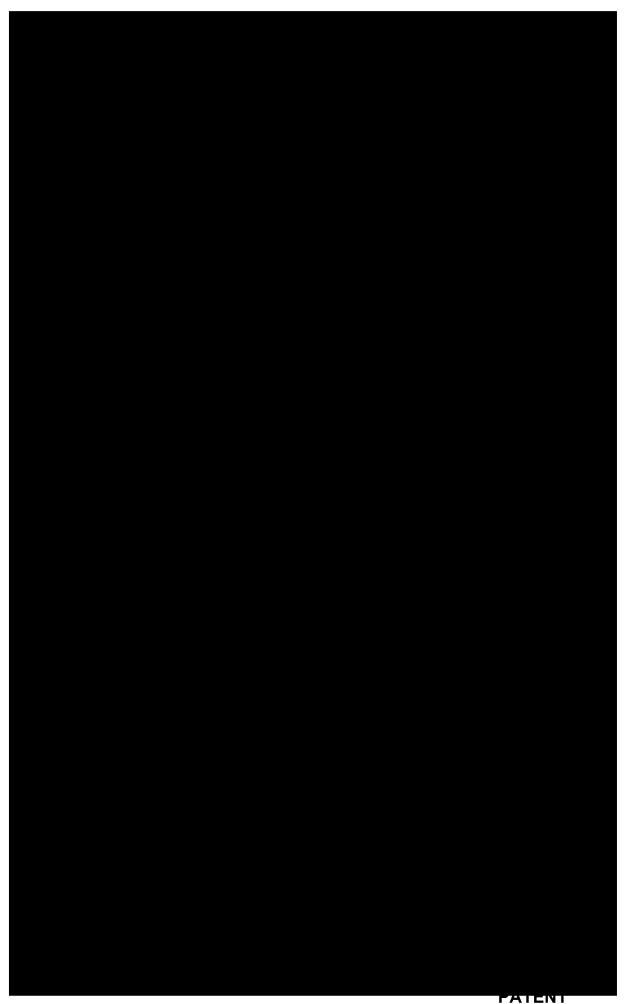
I. REGISTERED INTELLECTUAL PROPERTY

a. PATENTS

io Maintenance Fees	7 7.5 Maintenance Fee \$1800 (SE), due 09/04/21	27 7.5 Maintenance Fee \$1800 (SE), due 02/19/22	28 7.5 Maintenance Fee \$1800 (SE) due 11/20/23	28 7.5 Maintenance Fee
Expiratio n Date	5/1/2027	1/26/2027	2/27/2028	3/25/2028
issue Date	3/4/2014	8/19/2014	5/20/2014	8/20/2013
Patent Number	US 8,666,862 B2	US 8,812,379	8,732,050	US 8,515,848
Filmg Date	5/14/2012	8/19/2013	5/2/2012	3/29/2010
Application Number	13/471,325	13/970,466	13/462,713	12/749,390
Application Status	pansa	lssued	penss	lssued
Case Type	un Co	Con	5 0	Can
Country	Automatic Mapping and Allocation of Beneficial Interest in Trusts for Portfolio Analysis	"METHOD AND SYSTEM BALANCING NET SAVINGS, RESOURCES AND CLAIMS INTO	Stochastic control System and Method for Multi-Period consumption Continuation	Simulation of Portfolios and Risk Budget Analysis

}							\$1800 (SE), due 02/20/21
Can	Issued	13/085,455	4/12/2011	US 8,185,462	5/22/2012	2/27/2028	11.5 Maintenance Fee \$3700 (SE), due 11/22/23
Ö	pensal	12/419,209	4/6/2009	US 7,925,565	4/12/2011	2/27/2028	11.5 Maintenance Fee \$3700 (SE), due 10/12/22
	lssued	12/028,684	2/9/2007	US 7,844,523	11/30/201	5/1/2027	11.5 Maintenance Fee \$3700 (SE), due 05/30/22
pu O	lssued	11/627,814	1/26/2007	US 7,689,494 B2	3/30/2010	12/16/202 6	11.5 Maintenance Fee \$3700 (SE), due 09/30/21
P O	lssned	12/038,712	2/27/2008	US 7,516,095 B1	4/7/2009	2/27/2028	11.5 Maintenance Fee \$3700 (SE), due 10/07/20





REEL: 058070 FRAME: 0036





RECORDED: 11/10/2021

