Additional Certificate of Registration of a Claim to Copyright

This is to certify that the statements set forth in the attached have been made a part of the records of the Copyright Office with claim of copyright registered under number



In testimony whereof, the seal of this office is affixed hereto on



TX 2-992-651

Kay A. Tesle

October 2, 2019

United States Register of Copyrights and Director

PORM SE UNITED STATES COPYRIGHT OFFICE

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In testimony whereof, the seal of this office is affixed hereto on



TX 2-201-054

October 2, 2019

United States Register of Copyrights and Director

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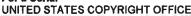
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Name of Country WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK Was this contribution to the work a If the answer to either No of these questions is "work made for hire"? Citizen of ▶ Yes Anonymous? OR Domiciled in > **United States** No Pseudonymous? Yes No instructions. NOTE NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. Other: Entire Text Collective Work Under the law he "euthor" of a DATES OF BIRTH AND DEATH NAME OF AUTHOR ▼ work made for Year Died ▼ hire" is generally the employer, Year Born ▼ not the em-ployee (see in-structions). For any part of this WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK If the answer to a AUTHOR'S NATIONALITY OR DOMICILE Name of Country Was this contribution to the work a If the answer to either no of these questions is "Yes," see detailed No instructions. "work made for hire"? Citizen of Yes Anonymous? Yes 'made for hire' No Domiciled in Pseudonymous? Yes check "Yes" in the space pro-NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. vided, give the employer (or Collective Work Other: other person for whom the work NAME OF AUTHOR ▼ DATES OF BIRTH AND DEATH was prepared) as "Author" of Year Born ▼ that part, and we the space for dates of birth AUTHOR'S NATIONALITY OR DOMICILE WAS THIS AUTHOR'S CONTRIBUTION TO Was this contribution to the work a Name of Country and death blank If the answer to either of these questions is "Yes," see detailed THE WORK "work made for hire"? Citizen of ▶ Anonymous? Yes No Domiciled in ▶ Pseudonymous? Yes No instructions NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. Collective Work Other YEAR IN WHICH CREATION OF THIS DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE Complete this Information ISSUE WAS COMPLETED This Information April _ Day D must be given in all cases. ONLY if this work **United States** has been published. **APPLICATION RECEIVED** COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. American Society for Testing and Materials ONE DEPOSIT RECEIVED 100 Barr Harbor Drive See Instructions West Conshohocken, PA 19428-2959 efore completing TWO DEPOSITS RECEIVED this space. TRANSFER If the claimant(s) named here in space 4 are different from the author(s) named APR 29.1999 in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. REMITTANCE NUMBER AND DATE

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*17 U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

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October 1, 2019

Lay A. Tesle

United States Register of Copyrights and Director

Case 1:13-cv-01215-TSC Document 19	8-10 Filed 10/07/19 Page 26 of 90
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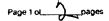
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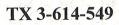
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CERTIFICATE OF REGYSTRATION Document 198-10 Filed 10/67/1997-Page 82 of 90 E TATES COPYRICHA REGI TX 5-369-432 This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, OFFICE attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records. EFFECTIVE DATE OF REGISTRATION ∜ χ, THE CHARY OF CONC. 02 2001 -REGISTER OF COPYRIGHTS OFFICIAL SEAL L'E CONTINUATION SHEET. TITLE OF THIS SERIAL V 2001 BOOK ANNVAL AOM STANDARDS: Volume W Number 🔻 Date on Copies V Frequency of Publication ▼ // 11.02 ANNUAL 2001 PREVIOUS OR ALTERNATIVE TITLES * NAME OF AUTHOR V DATES OF BIRTH AND DEATH American Society for Testing and Materials Year Born V Year Died AUTHOR'S NATIONALITY OR DOMICILE Name of Country Was this contribution to the work a WAS THIS AUTHOR'S CONTRIBUTION TO If the snawer to eithe of these questions is "Yes," see detailed "work made for hire"? THE WORK 🗹 Yes Citizen of Anonymous? ☐ Yes ☐ No OR **United States** Pseudonymous? Domiciled in □ No ☐ Yes ☐ No instructions. NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼ Other: Entire Test Collective Work NAME OF AUTHOR V inder the law, DATES OF BIRTH AND DEATH se "author" of ' work made by hire is enerally the Year Bom ▼ Year Died AUTHOR'S NATIONALITY OR DOMICILE Name of County Was this contribution to the work a WAS THIS AUTHOR'S CONTRIBUTION TO mployer, not work made for hire"? THE WORK If the answer to either of these questions is Citizen of tes instruc-☐ Yes Anonymous? ☐ Yes ☐ No ΠN_0 Domiciled in Pseudonymous? ☐ Yes ☐ No instructions. ert of this NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. made for hire' heck "Yes" in Collective Work he space forided, give NAME OF AUTHOR ¥ DATES OF BIRTH AND DEATH he employer Year Born 🛡 Year Died ▼ or other not notice AUTHOR'S NATIONALITY OR DOMICILE rhom the work Was this contribution to the work a WAS THIS AUTHOR'S CONTRIBUTION TO ras prepared) work made for hire"? If the answer to either of these questions is "Yes," see detailed THE WORK Citizen of ☐ Yes Anonymous? ☐ Yes ☐ No hal part, and Domiciled in Pseudonymous? ☐ Yes ☐ No instructions. pace for dates if birth and NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ath blank Collective Work Other: YEAR IN WHICH CREATION OF THIS DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE Complete this Information Month 12 Day 2001 ISSUE WAS COMPLETED Complete this Information ONLY If this work has been published. This Information a D must be given ≪Year in all cases. United States ◆ Nation LU 2, 2001 COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼ American Society for Testing and Materials ONE DEPOSIT RECEIVED 100 Barr Barbor Drive West Conshohocken, PA 19428-2959 TWO DEPOSITS RECEIVED JUL 0 2. 2001 TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ♥ **FUNDS RECEIVED**

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· See detailed instructions.

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CERTIFICATE OF REGISTRATION Filed 10/07/19 Page 85 of 90

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This is to certify that the statements set forth in the attached have been made a part of the records of the Copyright Office with claim of copyright registered under number

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October 2, 2019

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