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FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4-94)



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

101244951

To the Honorable Commissioner of Patents and Trade,

or copy thereof.

1. Name of conveying party(ies):

Steven Luo

Additional name(s) of conveying party(ies) attached? Yes
 No

2. Name and address of receiving party(ies):

Name: Bridgestone Corporation
10-1, Kyobashi 1-Chome
Chuo-Ku, Tokyo 104
Japan

A corporation of nation of Japan (if applicable)

Additional name(s) & address(es) attached? Yes
 No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: December 30, 1999

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: December 30, 1999

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: John H. Hornickel - Chief I.P. Counsel
Bridgestone/Firestone, Inc.

Internal Address:

Street Address: 1200 Firestone Parkway

City: Akron State: OH ZIP: 44317

6. Total Number of applications and patents involved:

1

7. Total fee (37 CFR 3.41): \$ 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit Account Number:

18-0987

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Arthur M. Reginelli, Reg. No. 40,139
Name of Person Signing

Signature

December 30, 1999
Date

Total number of pages including cover sheet, attachments, and document: 2

Mail documents to be recorded with required cover sheet information to:

01/13/2000 DCOATES 00000109 09475547

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

01 FC:581

40.00 OP



ASSIGNMENT

I, Steven Luo, have made an invention which now is described and claimed in an application for patent entitled IRON-BASED CATALYST FOR PRODUCING BINARY CIS-1,4-/1,2-POLYBUTADIENE, which application

- is being executed and filed concurrently herewith.
- was filed on _____ and now is designated as United States patent application number _____.

NOW THEREFORE, pursuant to the obligations imposed by or arising under one or more of my employment agreement(s), advisor agreement(s), state or national statutes, common law, and administrative regulation, I hereby do make the following assignments -

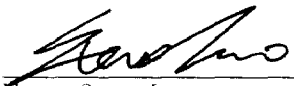
To **BRIDGESTONE CORPORATION**, a corporation created and duly organized under the laws of the nation of Japan and having a place of business at Tokyo, Japan, and its successors and assigns, I hereby

- assign, transfer, and set over the full and exclusive right to the above-described invention and to the above-described application for letters patent of the United States as well as any substitute, continuation, continuation-in-part, or divisional application filed thereon and to any letters patent of the United States that issues from such application(s) as well as any reissue application or request for reexamination filed on such letters patent;
 - covenant and agree for myself and my legal representative(s) to
 - a) assist said assignee and/or its designee(s), to the extent requested, in the prosecution of said application for patent, in any interference declared on said application for patent or patent issuing therefrom, or in litigation which arises out of or is based on said application for patent or patent issuing therefrom, and
 - b) execute all papers related to said application for patent which said assignee or its designee(s) request to be signed,
- provided that expenses relating thereto shall be borne by said assignee; and
- authorize and request the Commissioner of Patents and Trademarks to issue any letters patent of the United States relating to the above-described invention in the name of said assignee.

To **BRIDGESTONE CORPORATION** a corporation created and duly organized under the laws of the nation of Japan and having a place of business at Tokyo, Japan, and its successors and assigns, I hereby

- assign, transfer, and set over the full and exclusive right to any application for letters patent filed in any regional or national patent office other than the United States Patent and Trademark Office;
 - covenant and agree for myself and my legal representative(s) to
 - a) assist said assignee and/or its designee(s), to the extent requested, in the prosecution of any such applications for patent or in litigation which arises out of or is based on said application(s) for patent or patent(s) issuing therefrom, and
 - b) execute all papers related to said application(s) for patent which said assignee or its designee(s) request to be signed,
- provided that expenses relating thereto shall be borne by said assignee.

IN WITNESS WHEREOF, I have executed this document on the date next to my name.


Name: Steven Luo

Dec. 30, 1999
date


Name: ARTHUR REGINELLI (WITNESS)

12.30.99
date

Name: _____
date

Name: _____
date

Name: _____
date

Name: _____
date

Name: _____
date

Name: _____
date

Other names included on additional sheet(s).