

02-24-2000

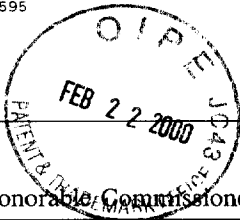
FORM PTO-1595  
1-31-92U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark office

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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of Conveying Party(ies):  
CHRISTOPHER L. KIRN

2-22-00

Additional name(s) of conveying party(ies) attached? ☐ YES ☒ NO

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

Name: Freightliner Corporation

Internal Address:

3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: February 15, 2000

Street Address: 4747 N. Channel Avenue

City Portland State OR ZIP 97217

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

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: \_\_\_\_\_

A. Patent Application No.(s)

08/982,117

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom  
correspondence concerning document should be  
mailed:

Name: David P. Petersen

Klarquist Sparkman Campbell Leigh &amp; Winston, LLP

Internal Address:

One World Trade Center, Suite 1600

Street Address:

121 S.W. Salmon Street

City Portland State Oregon ZIP 97204-2988

6. Total number of applications and patents  
involved: 1

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

8. ☒ Any deficiency/overpayment is authorized to  
be charged to deposit account 02-4550

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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.*

David P. Petersen

February 17, 2000

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and document: 3

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

02/23/2000 VVAN22 00000092 08982117

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PATENT  
REEL: 010560 FRAME: 0521

## A S S I G N M E N T

WHEREAS, I, CHRISTOPHER L. KIRN, of Portland, State of Oregon, together with GOETZ RENNER, of Esslingen, Germany, JARED A. POWELL of Portland, State of Oregon, and JAMES M. EHLBECK, of LaCenter, State of Washington, have invented a certain invention, entitled FUEL USE EFFICIENCY SYSTEM FOR AVEHICLE FOR ASSISTING THE DRIVER TO IMPROVIE FUEL ECONOMY, for which application was filed December 1, 1997, and assigned Application No. 08/982,117; and

WHEREAS, Freightliner Corporation, a corporation organized under the laws of the State of Oregon, having a place of business at 4747 N. Channel Avenue, Portland, Oregon 97217, desires to acquire an interest therein:

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I, CHRISTOPHER L. KIRN, hereby sell, assign and transfer to Freightliner Corporation, the full and exclusive right, title and interest in and to said invention, patent application and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Freightliner Corporation, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same

would have been held by me had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to Freightliner Corporation, or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Freightliner Corporation, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country. I also confirm that I have not granted any other party any rights in this invention

Executed at the place and date opposite our respective signatures below.

This Assignment is effective Nunc pro tunc as of December 1, 1997.

At Portland, Oregon  
(City and State)

on this 15 day of February, 2000.

STATE OF OREGON )

) ss.

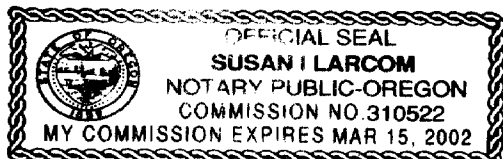
COUNTY OF )

Christopher L. KIRN  
CHRISTOPHER L. KIRN

This 15 day of February, 2000, before me personally came the above-named CHRISTOPHER L. KIRN, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Susan I. Larcom  
Notary Public For Oregon  
My commission expires:

[SEAL]



ASSIGNMENT - Page 2 of 2

**PATENT**  
**REEL: 010560 FRAME: 0523**

**SUPPLEMENTAL DECLARATION  
FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am, together with James M. Ehlbeck, Goetz Renner and Jared A. Powell, an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled FUEL USE EFFICIENCY SYSTEM FOR A VEHICLE FOR ASSISTING THE DRIVER TO IMPROVE FUEL ECONOMY, the specification of which was filed on December 1, 1997, as Application No. 08/982,117, with amendments through October 8, 1999.

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

All statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true; and further these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Fourth Inventor: CHRISTOPHER L. KIRN

Inventor's Signature

Christopher L. Kirn

2-15-00

Date

Residence: Portland, Oregon

Citizenship: U.S.A.

Post Office Address: 176 N. Hayden Bay Drive, Portland, OR 97217