PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Thomas Alan Brosowske	09/23/2011

RECEIVING PARTY DATA

Name:	Caterpillar Inc.
Street Address:	100 NE Adams Street
City:	Peoria
State/Country:	ILLINOIS
Postal Code:	61629-9510

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13246097

CORRESPONDENCE DATA

Fax Number: (309)675-1236 **Phone**: 309-675-5140

Email: US_Docket_Clerk@cat.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Caterpillar Inc./LIELL & MCNEIL Intellec

Address Line 1: AH9510
Address Line 2: 100 N.E. Adams

Address Line 4: Peoria, ILLINOIS 61629-9510

ATTORNEY DOCKET NUMBER: 11-0520

NAME OF SUBMITTER: Michael B. McNeil

Total Attachments: 2

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PATENT REEL: 026974 FRAME: 0444 OP \$40.00 13246097

SOLE INVENTION (Worldwide Rights) Attorney Docket No. 11-0520

ASSIGNMENT

WHEREAS I, the below named inventor, [hereinafter referred to as Assignor(s)], have made an invention entitled:

RADIAL PISTON DAMPED TORSIONAL COUPLING AND MACHINE USING SAME

for which I will or have filed a patent application; and

WHEREAS, [CATERPILLAR INC.], a corporation of [DELAWARE] whose post office address is [100 N.E. ADAMS STREET, PEORIA, ILLINOIS, 61629-9510] (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, and in and to the patent application for this invention and any and all patents to be issued upon this application throughout the world;

NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all patents which may be granted thereon, and all reissues thereof, as well as all rights to claim priority in any country or jurisdiction or patent office on the basis of this application, and all applications for patents which may hereafter be filed for this invention in any country or jurisdiction or patent office, and all extensions, renewals, and reissues thereof; and I hereby authorize and request any official of any country or jurisdiction or patent office whose duty it is to issue patents on applications as described above, to issue all patents for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in any country or jurisdiction or patent office, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns;

PATENT

REEL: 026974 FRAME: 0445

AND, I HEREBY authorize the attorneys/representatives that I have empowered to IN TESTIMONY WHEREOF, I have hereunto set our hands. 1. FULL NAME OF SOLE OR FIRST ASSIGNOR Thomas Alan Brosowske ADDRESS 10831 North Glenfield Drive CITIZENSHIP US Dunlap, Illinois 61525-9681 1. WITNESS NAME WITNESS SIGNATURE Lucas J. Peterson 2. WITNESS NAME WITNESS SIGNATURE DATE JAMES 61571

> PATENT REEL: 026974 FRAME: 0446

RECORDED: 09/27/2011