

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MICHAEL D. ACKERSON	03/30/2021
MICHAEL STEVEN BYARS	03/30/2021
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17234910
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NAME OF SUBMITTER:	GRADY K. BERGEN
SIGNATURE:	/Grady K. Bergen/
DATE SIGNED:	04/27/2021
Total Attachments: 2	
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PATENT APPLICATION ASSIGNMENT

WHEREAS, we, **Michael D. Ackerson**, having a correspondence address of 36 Cydnee, Fayetteville, Arkansas 72703; and **Michael Steven Byars**, having a correspondence address of 721 E. Winbaugh Lane, Fayetteville, Arkansas 72703; have invented new and useful improvements in the subject matter for which a patent is sought on the invention, design, or discovery entitled:

HYDROPROCESSING REACTOR TO LOWER PRESSURE DROP AND EXTEND CATALYST LIFE

for which applications are being made for Letters Patent, said applications being identified by U.S. Patent Application No. 16/900,043, filed on June 12, 2020, and International PCT Patent Application No. PCT/US2020/037471, filed June 12, 2020, both of which claim the benefit of U.S. Patent Application No. 62/861,038, filed June 13, 2019.

WHEREAS, **DUKE TECHNOLOGIES, LLC**, a limited liability company of the State of Arkansas, having a correspondence address at 2434 Deane Solomon, Fayetteville, Arkansas 72704, (hereinafter the "ASSIGNEE") is desirous of acquiring our entire right, title and interest in said application and any Letters Patent which may issue thereon:

NOW THEREFORE, be it known by all whom it may concern that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we hereby sell, assign and transfer to ASSIGNEE, its successors, assigns and legal representatives the full and exclusive right, title and interest in and to said invention, application and all patents which may be granted therefor, and all non-provisionals, divisions, continuations, continuations-in-part, reissues, substitutions and extensions thereof; and we hereby authorize and request the Commissioner of Patents or patenting authority to issue all patents for said invention, or patents resulting therefrom, insofar as our interests are concerned, to the ASSIGNEE of our entire right, title and interest.

WE ALSO HEREBY sell and assign to ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention and applications throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

WE HEREBY further agree that we will communicate to ASSIGNEE, or its successors, assigns and legal representatives, any facts known to us respecting any improvements; and, at the expense of ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all non-provisional, divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in ASSIGNEE and to aid

ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, we execute this Patent Application Assignment.

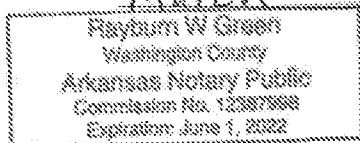
3/30/2021
Date

Michael D. Ackerson
Michael D. Ackerson

STATE OF ARKANSAS

COUNTY OF WASHINGTON

Before me personally appeared Michael D. Ackerson, known to me to be the person whose name is subscribed to the foregoing Patent Application Assignment and acknowledged to me that he executed the same as his voluntary act and deed on the 30 day of March, 2021.



Ray Green
Notary Public in and for
State of Arkansas

My Commission Expires: 06/01/2022

* * *

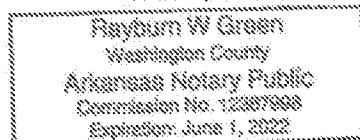
3/30/2021
Date

Michael Steven Byars
Michael Steven Byars

STATE OF ARKANSAS

COUNTY OF WASHINGTON

Before me personally appeared Michael Steven Byars, known to me to be the person whose name is subscribed to the foregoing Patent Application Assignment and acknowledged to me that he executed the same as his voluntary act and deed on the 30 day of March, 2021.



Ray Green
Notary Public in and for
State of Arkansas

My Commission Expires: 06/01/2022