

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5546872

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JUNPING CAI	03/11/2017
HANS JORGEN JENSEN	08/16/2010
LARS JENSEN	04/05/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DANFOSS A/S
<b>Street Address:</b>	NORDBORGVEJ 81
<b>City:</b>	NORDBORG
<b>State/Country:</b>	DENMARK
<b>Postal Code:</b>	DK-6430
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15520935
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(860)527-0464
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	860-549-5290
<b>Email:</b>	dudek@ip-lawyers.com
<b>Correspondent Name:</b>	MARINA F. CUNNINGHAM MCCORMICK PAULDING & HUBER
<b>Address Line 1:</b>	185 ASYLUM STREET, CITYPLACE II, 18TH FL
<b>Address Line 2:</b>	6495-0843WOUS
<b>Address Line 4:</b>	HARTFORD, CONNECTICUT 06103-3410
<b>ATTORNEY DOCKET NUMBER:</b>	6495-0843WOUS
<b>NAME OF SUBMITTER:</b>	MARINA F. CUNNINGHAM
<b>SIGNATURE:</b>	/MARINA F. CUNNINGHAM/
<b>DATE SIGNED:</b>	05/30/2019
<b>Total Attachments: 9</b>	
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source=6495-0843WOUS Assign Documents#page9.tif

ASSIGNMENT

THIS INSTRUMENT OF ASSIGNMENT WITNESSETH THAT:

WHEREAS, I/we,

CAI, Junping

JENSEN, Hans Jørgensen

JENSEN, Lars

have invented improvements in

SELECTING CONTROL STRATEGY FOR AN EXPANSION VALVE

for which I/we have executed on even date herewith an application for Letters Patent of the United States, and

WHEREAS, DANFOSS A/S

a corporation of having a place of business at  
Nordborgvej 81, DK-6430 Nordborg, DK

is desirous of acquiring an interest in said invention, said application and the Letters Patent to be issued therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of ONE DOLLAR to each in hand paid and other good and valuable consideration, the receipt whereof is hereby acknowledged, I/we have sold, assigned and set over, and do hereby sell, assign and set over to said corporation, its successors or assigns, the entire right, title and interest to and in said invention in the United States and in all countries foreign to the United States, said United States application for Letters Patent therefor and all divisionals, continuations, reissues, reexaminations and extensions thereof, and the Letters Patent when issued; and I/we do hereby authorize and request the Commissioner of Patents and Trademarks to issue the Letters Patent based upon said application(s) to said corporation as the assignees of my/our entire right, title and interest to and in the same, for the sole use and behoof of said corporation, its successors or assigns.

And I/we also hereby covenant and agree to sign all proper papers including other applications for patents and assignments thereof in the United States and application for patents and assignments in all foreign countries, and to execute all rightful oaths and to take any other proper action that may in the judgment of the said corporation be necessary for securing thereto full rights to said invention, all of the foregoing to be at the expense of said corporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand this

11 day of March, 2017.

Juan P. Es

IN TESTIMONY WHEREOF, I have hereunto set my hand this

\_\_\_\_\_ day of \_\_\_\_\_, 2017.

\_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand this

\_\_\_\_\_ day of \_\_\_\_\_, 2017.

\_\_\_\_\_

6495-0843WOUS  
U.S. Serial No. 15/520,935

CERTIFICATE

I, Erik Müller being familiar with both the ENGLISH and DANISH languages, do hereby certify that the attached Declaration is a true and accurate translation, and that this statement is made with the knowledge and belief that willful false statements and the like 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.

Dated: 27<sup>th</sup> May, 2019

  
\_\_\_\_\_

**Job PA 15922US01 / 1500842 Danish to English**

This employment contract is entered into between:

**Company**  
Danfoss A/S  
Nordborgvej 81  
DK 6430 Nordborg  
Company reg. no.: 20 16 57 15

**&**

**Employee**  
Hans Jørgen Jensen  
Klynstien 7  
DK 6430 Nordborg  
ID no.: 251266-1745  
9215 2155773084

**Copyright**

Copyright protected works, including computer programs, which are produced by you in connection with your execution of work or as instructed by the company belong to the company together with all rights of disposal, utilisation or transfer thereof. The same applies to designs and trademarks.

**Inventions**

If during your employment you make an invention the utilisation of which is within the company's sphere or which concerns a defined work task, then the company can demand the invention be transferred to the company in accordance with the (Danish) Act on Employees' Inventions and Regional Guideline 500B0171. See also Regional Guideline 500B0170 regarding notification of inventions.

**Confidentiality**

During your employment, and after your employment might have ceased, you are obliged to maintain silence/confidentiality regarding company matters and anything else you may gain knowledge of on account of your position and which, given the nature of the matter(s), should not be divulged to any third party. See Section 19 of the Marketing Act.



## Ansættelsesaftale

Denne ansættelsesaftale er indgået mellem:

**Virksomhed**

Danfoss A/S  
Nordborgvej 81  
DK 6430 Nordborg  
CVR nr.: 20 16 57 15

&

**Medarbejder**

Hans Jørgen Jensen  
Klynatten 7  
DK 6430 Nordborg  
CPR nr.: 251266-1745  
9215 2155773084

Medarbejdersnr.

Følgende vilkår er aftalt:

<b>Tiltræden</b>	Du ansættes med virkning fra den 19. august 2010.
<b>Stilling</b>	Din stilling er R&D Application Specialist. Vi gør opmærksom på, at du stiller hele din arbejdskraft til rådighed for virksomheden og har pligt til at påtage dig andre opgaver ud over eller i stedet for de opgaver, som fremgår af din stillingsbeskrivelse, hvis udviklingen gør det naturligt.
<b>Arbejdssted</b>	Du er for tiden tilknyttet AC-E/DK (afd. 45k) ved Danfoss A/S, Nordborgvej 81, 6430 Nordborg.
<b>Anciennitet</b>	Din anciennitet regnes fra følgende dato Opsigelse: 19. august 2010 Jubilæum: 20. juli 2002
<b>Arbejdstid</b>	Du er omfattet af Danfoss Værdiløn. Det betyder, at: <ul style="list-style-type: none"><li>Din arbejdstid (ekskl. pauser) udgør 1.924 timer årligt (inkl. ferie, søgnehelldage mv.) svarende til normalt gennemsnitligt 160,33 timer pr. måned afhængig af opgaverne. Du tilrettelægger - i løbende dialog med ledelse og kolleger i dit område - i videst muligt omfang selv din arbejdstid under hensyn til opgavernes art og omfang.</li><li>Du har pligt til at udføre overarbejde, som kan forekomme i et vist omfang, hvis en hensigtsmæssig løsning af opgaverne gør det nødvendigt. Overarbejde honoreres ikke særskilt. Der henvises til Regional Standard 500B0748, Overarbejde, funktionærer.</li></ul> Evt. personlig tidsregistrering kan ikke danne grundlag for krav mod firmaet.
<b>Løn</b>	Bruttolønnen udgør pr. måned (inkl. eget pensionsbidrag) [REDACTED] Der er ved lønfastsættelsen kompenseret for forekommende overarbejde, forskudt tid, rejseaktivitet og alle øvrige tillæg, som derfor ikke honoreres særskilt. Du kan - mod fradrag i din bruttoløn - en gang årligt vælge en række benefitordninger via systemet Belle Balance (flexvalg). Lønnen sættes ind på din konto i et pengestitut på månedens sidste bankdag. Lønnen mv. tages op til vurdering og evt. regulering en gang om året
<b>Pension</b>	Du er omfattet af Danfoss Pension. Virksomhedens bidrag udgør p.t. 8,0%, mens dit eget bidrag udgør 4,0% af bruttolønnen. Evt. senere stigninger må forventes. Du kan læse om ordningen på Danfoss Intranet. Hvis virksomheden beslutter at skifte pensionsforsikringselskab vil det indebære, at pensionsordningen - herunder dit depot - overføres til et andet selskab på de vilkår, som aftales med det nye selskab. Evt. frivillig pensionsindbetaling vil medføre, at lønnen reduceres tilsvarende.

## Ansættelsesaftale

<b>Gruppeliv</b>	Du indgår i virksomhedens obligatoriske gruppelivsforsikring, der også omfatter børne- og ægtefælledækning, invaliderentesikring og kritisk sygdom. Præmien trækkes fra i den udbetalte løn.
<b>Ferie</b>	Du har ret til ferie mv. i henhold til Ferieloven. Tidspunktet for ferien fastsættes af virksomheden. Normalt holdes 15 feriedage samlet i ferieperioden og 5 feriedage hensigtsmæssigt placeret i forbindelse med helligdage, fortrinsvis i forbindelse med jul og nytår. De øvrige 5 feriedage placeres efter aftale med din leder.
<b>Interne regler</b>	Du har naturligvis pligt til at følge retningslinier og etiske regler, der til enhver tid meddeles af ledelsen.  Vi henviser især til: <ul style="list-style-type: none"><li>• Koncern Standard 500B0829 om behandling af post. Virksomheden forbeholder sig ret til at behandle og checke alle former for post. Specielt henvises til brug af elektronisk post og Internet.</li><li>• Koncern Standard 500B0883 om IT-adfærdskodeks.</li></ul> Gældende regler og politikker kan bl.a. ses på Danfoss' Intranet under Standards & doc, Standardiserings dok, Standards og Guidelines, personale.
<b>Ophavsret</b>	Ophavsretligt beskyttede værker, herunder edb-programmer, som du frembringer under udførelsen af arbejdet eller efter virksomhedens anvisninger, tilhører virksomheden med enhver ret til rådighed over, udnyttelse af eller videreoverdragelse. Det samme gælder design og varemærker.
<b>Opfindelser</b>	Hvis du under ansættelsen gør en opfindelse, hvis udnyttelse ligger inden for virksomhedens område eller angår en nærmere stillet opgave, kan virksomheden kræve opfindelsen overdraget til sig efter Lov om Arbejdstageres Opfindelser og Regional Guideline 500B0171. Der henvises også til Regional Standard 500B0170 om anmeldelse af opfindelser.
<b>Tavshedspligt</b>	Du har under ansættelsen og efter evt. fratræden pligt til at iagttage tavshed om selskabets forhold, og hvad du i øvrigt bliver bekendt med i kraft af din stilling og som efter sagens natur ikke bør komme til tredjemands kendskab. Der henvises til Markedsføringslovens §19.
<b>Bopæl</b>	Du har pligt til at holde virksomheden orienteret om din bopæl.
<b>Samtykke</b>	Du er indforstået med, at person- og lønoplysninger registreret af firmaet som led i dit ansættelsesforhold er tilgængelige på Danfoss Human Capital (DHC) og kan behandles af koncernens (ind- og udland) HR-medarbejdere og chefer, som har et sagligt behov for disse oplysninger. Almindelige arbejdsrelaterede personoplysninger fremgår af koncernens Intranet. Se bilag.
<b>Øvrige vilkår</b>	I øvrigt gælder Funktionærlovens bestemmelser, herunder opsigelsesvarsler, fratrædelsesgodtgørelse mv. Du må ikke, så længe denne ansættelsesaftale løber, være ansat eller involveret i et med virksomheden konkurrerende foretagende.

Aftalen underskrives i to eksemplarer, et til hver af parterne.

Dato: 16. august 2010

Virksomheden

Medarbejderen

Bilag: De nævnte standarder  
Pjecen: "Danfoss/Danica Pension" samt "God IT-skik i Danfoss A/S"



**ASSIGNMENT**

THIS INSTRUMENT OF ASSIGNMENT WITNESSETH THAT:

WHEREAS, I/we,

CAI, Junping

JENSEN, Hans Jørgensen

JENSEN, Lars

have invented improvements in

**SELECTING CONTROL STRATEGY FOR AN EXPANSION VALVE**

for which I/we have executed on even date herewith an application for Letters Patent of the United States, and

WHEREAS, DANFOSS A/S

a corporation of having a place of business at  
Nordborgvej 81, DK-6430 Nordborg, DK

is desirous of acquiring an interest in said invention, said application and the Letters Patent to be issued therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of ONE DOLLAR to each in hand paid and other good and valuable consideration, the receipt whereof is hereby acknowledged, I/we have sold, assigned and set over, and do hereby sell, assign and set over to said corporation, its successors or assigns, the entire right, title and interest to and in said invention in the United States and in all countries foreign to the United States, said United States application for Letters Patent therefor and all divisionals, continuations, reissues, reexaminations and extensions thereof, and the Letters Patent when issued; and I/we do hereby authorize and request the Commissioner of Patents and Trademarks to issue the Letters Patent based upon said application(s) to said corporation as the assignees of my/our entire right, title and interest to and in the same, for the sole use and behoof of said corporation, its successors or assigns.

And I/we also hereby covenant and agree to sign all proper papers including other applications for patents and assignments thereof in the United States and application for patents and assignments in all foreign countries, and to execute all rightful oaths and to take any other proper action that may in the judgment of the said corporation be necessary for securing thereto full rights to said invention, all of the foregoing to be at the expense of said corporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand this

5 day of APRIL, 2017.

*Paul Jensen*

IN TESTIMONY WHEREOF, I have hereunto set my hand this

\_\_\_\_\_ day of \_\_\_\_\_, 2017.

\_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand this

\_\_\_\_\_ day of \_\_\_\_\_, 2017.

\_\_\_\_\_

**ASSIGNMENT**

I/We the undersigned,

Hans Jørgen Jensen, Klynstien 7, DK-6430 Nordborg, Denmark  
Lars Jensen, Damager 13, DK-6430 Nordborg, Denmark  
Junping Cai, Langbrogade 41, DK-6400 Sønderborg, Denmark

(hereinafter referred to as the Assignor(s))

confirm by the present document that I/we have assigned all my/our rights and title to as well as our interest in the invention entitled:

**LOP control overrides SH control during start-up**

for which European patent application No. 14190207.2 was filed on 24 October 2014, to Danfoss A/S, Nordborgvej 81, DK-6430 Nordborg, Denmark

a limited company existing under the laws of Denmark (hereinafter referred to as the Assignee).

The present Assignment covers all countries of the world and the Assignee is hereby entitled to file applications in any country and to abstain from seeking patent protection in any and all countries at its discretion.

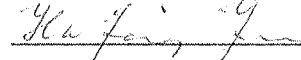
The present Assignment also includes my/our right to claim priority under the Paris Convention or any other multilateral or bilateral treaty.

The Assignor(s) hereby agree(s) to execute any additional assignments and/ or other documents required in connection with the prosecution of the patent applications as well as to perform any additional acts necessary to enable the Assignee or its successors, legal representatives and assigns to enjoy the full rights of the present Assignment, including applying for a patent for the invention in the USA and assigning the US patent application and any patent(s) issuing thereon to the Assignee or its successors and assigns and legal representatives.

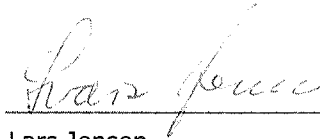
I/we hereby confirm that the undersigned is/are the inventor(s) of the above invention, and that there are no other inventors.

Place and date:

Assignor signature(s):



Hans Jørgen Jensen



Lars Jensen



Junping Cai

I/We, the Assignee(s), hereby accept this assignment.

Place and date:

Assignee signature(s): For Danfoss A/S

\_\_\_\_\_  
Peter Halvor Larsen, Senior Director of IPR