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September 11, 2017

Re: Chinese Patent Application No.: 201280059567.5
Applicant: Transatomic Power Corporation
Your Ref: 31175-0002CN1
Our Ref: PXD00506A/YXN
Title: NUCLEAR REACTORS AND RELATED METHODS AND APPARATUS

Dear Sirs,

We are pleased to inform you that we received the Notification of Grant Patent Right issued by the Chinese Patent Office to the above mentioned application. The Notification is dated August 30, 2017. Enclosed herewith please find the official Notification and an English translation thereof for your record.

Pursuant to Rule 54 of the Implementing Regulations of the Chinese Patent Law, the applicant is requested to pay the certificate fee and the annuity of the grant year within 2 months of receipt of the Notification. For the above mentioned application, the deadline is November 14, 2017.

Unless we receive your contrary instructions, we will proceed with formality of registration of the patent right and attend to payment of the necessary fees before the deadline.

If you wish to file a divisional application, please give us your express instructions by November 14, 2017 since this is the final opportunity for submitting the divisional application.

Sincerely yours,

Liu, Shen & Associates



100080

北京市彩和坊路 10 号 1 号楼 10 层 北京市柳沈律师事务所
赵碧洋 (62681616)

发文日:

2017 年 08 月 30 日



申请号或专利号: 201280059567.5

发文序号: 2017082500120120

申请人或专利权人: 原子能转换公司

发明创造名称: 核反应堆及相关方法和装置

办 理 登 记 手 续 通 知 书

根据专利法实施细则第 54 条及国家知识产权局第 75 号公告的规定, 申请人应当于 2017 年 11 月 14 日之前缴纳以下费用:

专利登记费	200.0 元	
公告印刷费	50.0 元	
第 6 年度年费	1200.0 元	无费减 (减缓标记)
专利证书印花税	5.0 元	
共计	1455.0 元	

附已缴费用情况: 专利登记费 0.0 元, 公告印刷费 0.0 元, 年费 0.0 元, 专利证书印花税 0.0 元。

申请人按期缴纳上述费用的, 国家知识产权局将在专利登记簿上登记专利权的授予, 颁发专利证书, 并予以公告。专利权自公告之日起生效。

申请人期满未缴纳或者未缴足上述费用的, 视为放弃取得专利权的权利。

提示:

专利费用可以通过网上缴费、邮局或银行汇款缴纳, 也可以到国家知识产权局面缴。

网上缴费: 电子申请注册用户可登陆 <http://www.cponline.gov.cn>, 并按照相关要求使用网上缴费系统缴纳。

邮局汇款: 收款人姓名: 国家知识产权局专利局收费处, 商户客户号: 110000860。

银行汇款: 开户银行: 中信银行北京知春路支行; 户名: 中华人民共和国国家知识产权局专利局; 账号: 7111710182600166032。

汇款时应当准确写明申请号、费用名称 (或简称) 及分项金额。未写明申请号和费用名称 (或简称) 的视为未办理缴费手续。了解更多详细信息及要求, 请登陆 <http://www.sipo.gov.cn> 查询。

审 查 员: 姚燕

审查部门: 专利局初审及流程管理部

联系电话: 62356655



中华人民共和国国家知识产权局

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赵碧洋

发文日:

2017 年 08 月 30 日



申请号或专利号: 201280059567.5

发文序号: 2017081800456710

申请人或专利权人: 原子能转换公司

发明创造名称: 核反应堆及相关方法和装置

授予发明专利权通知书

(进入国家阶段的 PCT 申请)

1. 根据专利法第 39 条及实施细则第 54 条的规定, 上述发明专利申请经实质审查, 没有发现驳回理由, 现作出授予专利权的通知。

申请人收到本通知书后, 还应当依照办理登记手续通知书的内容办理登记手续。

申请人按期办理登记手续后, 国家知识产权局将作出授予专利权的决定, 颁发发明专利证书, 并予以登记和公告。期满未办理登记手续的, 视为放弃取得专利权的权利。

2. 授予专利权的上述发明专利申请是以下列申请文件为基础的:

☐ 原始提交的国际申请的中文文本或中文译文进行的。

☒ 针对下列申请文件进行的:

2014 年 6 月 3 日提交的说明书第 1-182 段、说明书附图、摘要附图;

2014 年 9 月 12 日提交的说明书摘要;

2017 年 7 月 19 日提交的权利要求第 1-18 项。

3. 授予专利权的上述发明专利申请的名称:

☒ 未变更。

☐ 由__变更为上述发明创造名称。

4. ☐ 申请人于__年__月__日提交专利号为__的“放弃专利权声明”, 经审查:

☐ 进入放弃专利权的程序。

☐ 未进入放弃专利权的程序。理由是: 申请人声明放弃的专利与本发明专利申请不属于相同的发明创造。

5. ☐ 审查员依职权对申请文件修改如下:

6. 在本通知书发出后收到的申请人主动修改的申请文件, 不予考虑。

审查员: 陈二艳

审查部门: 专利审查协作河南中心光电技术
发明审查部

联系电话: 0371-87791989

210414
2012.5

纸件申请, 回函请寄: 100088 北京市海淀区蓟门桥西土城路 6 号 国家知识产权局专利局受理处收
电子申请, 应当通过电子专利申请系统以电子文件形式提交相关文件。除另有规定外, 以纸件等其他形式提交的文件视为未提交。

Patent Office of the People's Republic of China

Date of issue: **August 30, 2017**

Agency: **Liu, Shen & Associates**

Patent Application No.: **201280059567.5**

Applicant: **Transatomic Power Corporation**

Title of the invention-creation: **NECLEAR REACTORS AND RELATED
METHODS AND APPARATUS**

Notification of Fulfilling of Registration Formality

Pursuant to Rule 54 of the Implementing Regulations of the Chinese Patent Law and the provisions as announced in the 75th issue of Proclamation from the Chinese Patent Office, the applicant shall pay the prescribed following fees by November 14, 2017.

Patent Registration Fee (including the Printing Fee):	RMB: 250.00
The <u>06</u> year annuity:	RMB: 1200.00
Stamp tax on Patent Certificate:	RMB: 5.00

The total: **RMB: 1455.00**

Upon receiving payment of the above-identified fees from the applicant in due course the Patent Office will register the grant of the patent right in the Patent Registry and at the same time issue the Patent Certificate. The patent right will come into effective as of the registration date.

If the applicant fails to pay or pays insufficiently within the time limit, he (it) is deemed to abandon his (its) right to obtain the patent right.

Patent Office of the People's Republic of China

**PATENT OFFICE OF THE PEOPLE'S
REPUBLIC OF CHINA**

Applicant or Attorney	Transatomic Power Corporation	August 30, 2017
Filing Number	201280059567.5	
Title of the Invention	NECLEAR REACTORS AND RELATED METHODS AND APPARATUS	

**NOTIFICATION OF THE DECISION TO GRANT
A PATENT RIGHT FOR PATENT FOR INVENTION**

1. Pursuant to Rule 39 of the Chinese Patent Law, it is found after examination that there is no cause for rejection of the aforesaid application for patent for invention. Accordingly, a decision to grant the patent right for the patent for invention has been made.
2. ☐ The decision to grant the patent right for the patent for invention is based on the documents submitted on the day filing.
☒ The decision to grant the patent right for the patent for invention is based on the documents submitted on June 03, 2014, September 12, 2014 and July 19, 2017.
3. ☒ The title of the application for patent for invention remains unchanged.
☐ The title of the application for patent for invention which has been granted patent right is changed to _____.
4. ☐ Applicant submitted a declaration of abandonment of patent right of Application No. _____ on ____ / ____ / ____.
☐ The procedure of abandonment of patent right was initiated.
☐ The procedure of abandonment of patent right was not initiated yet. The reason was: the patent abandoned and the application for patent for invention were not the identical invention.
5. ☐ Amendments made by examiner Ex officio:

6. Amendments on the application documents made on the initiative of the applicant shall not be accepted after the issue of the notification.