

8 May 2019

PATENT COVERAGE FOR TNG'S PROPRIETARY TIVAN® PROCESS FOR EXTRACTION OF VANADIUM EXTENDED TO VIETNAM

Approvals for EU and China in progress

Australian strategic metals company TNG Limited (ASX: TNG) ("TNG" or the "Company") is pleased to advise that patents for its proprietary TIVAN® hydrometallurgical process for the extraction and recovery of high-purity vanadium have now been extended with approval received from Vietnam.

The award of the patents, which reflects the robustness of its process, provides a level of protection and security for the Company for one of its core pieces of Intellectual Property as it reaches the final stages of pre-development for its flagship Mount Peake Vanadium-Titanium-Iron Project in the Northern Territory.

The TIVAN® Process patent is based on the extraction and recovery of vanadium and was developed by TNG and its metallurgical consultants, Perth-based METS Pty Ltd. The process is the backbone of the project which allows the Company to extract vanadium, titanium and iron in commercial grades and quantities from its resource.

The Company's long-term business plan is for the TIVAN® Process to be developed for licensing globally, which could potentially be highly lucrative for TNG and its shareholders.

The global patent process is being managed by Perth-based patent lawyers WRAYS. Approvals for China, South Africa and the European Union are also currently in process.

TNG's Managing Director, Mr Paul Burton, said: "We are very pleased to see acceptance of our process in Asian jurisdictions, which complements our existing patent protection in Australia, Russia, Canada and the USA. We expect to receive approvals for the other countries in due course, paving the way for future licensing of the TIVAN® process globally — a business strategy which could generate significant returns for the Company."

TNG also owns the trademark "TIVAN®".

Copies of the recently granted patents and trademarks are attached to this announcement for shareholders' reference.

Paul E Burton Managing Director

8 May 2019

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About TNG

TNG is building a world-scale strategic metals business based on its flagship 100%-owned Mount Peake Vanadium-Titanium-Iron Project in the Northern Territory. Located 235km north of Alice Springs, Mount Peake will be a long-life project producing a suite of high-quality, high-purity strategic metals products for global markets including vanadium pentoxide, titanium dioxide and iron ore fines. The project, which will be a top-10 global producer, has received Major Project Facilitation status from the Northern Territory Government.

Vanadium is a highly strategic metal which is used as an alloy in steel. It is also in strong demand for use in energy storage, with vanadium redox batteries used to store electricity generated by solar and wind power, and lithium-vanadium ion batteries used to power hybrid cars.

Forward-Looking Statements

This announcement has been prepared by TNG Limited. This announcement is in summary form and does not purport to be all inclusive or complete. Recipients should conduct their own investigations and perform their own analysis in order to satisfy themselves as to the accuracy and completeness of the information, statements and opinions contained.

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TIVAN®

PATENTAND TRADE MARK STATUS

TIVAN® Patent Status		TIVAN® Trade Mark Status
A Method for Extraction and Recovery of Vanadium		$\label{lem:Registered} \textbf{Registered in the following regions:}$
Australia	REGISTERED	Australia
Canada	REGISTERED	Canada
Russian Federation	REGISTERED	China
United States of America	REGISTERED	European Union
Vietnam	REGISTERED	Madrid Protocol
China	FILED - IN PROGRESS	Russian Federation
European Patent Federation	FILED - IN PROGRESS	South Africa
A Methodfor Preparinga Leach Feed Material		United States of America
Australia	FILED - IN PROGRESS	
Titanium Dioxide Pigment Production Method		
Australia	IN PREPARATION	



CERTIFICATE OF GRANT

STANDARD PATENT

2011256118

The Commissioner of Patents has granted the above patent on 21 July 2016, and certifies that the following are the particulars of this patent appearing in the Register of Patents:

TNG Limited

Level 1 282 Rokeby Road Subiaco WA 6008 Australia

Name of Actual Inventor(s):

Connelly, Damian Edward Gerard; Yan, Denis Stephen and Lam, Sai Wei Title of Invention: Method for the extraction and recovery of vanadium

Term of Patent: Twenty years from 5 May 2011

Priority Details

Number 2010902191

Date 19 May 2010



Dated this 21st day of July 2016

Commissioner of Patents

PATENTS ACT 1990



CERTIFICATE OF REGISTRATION

The International Bureau of the World Intellectual Property Organization (WIPO) certifies that the indications appearing in the present certificate conform to the recording made in the International Register of Marks maintained under the Madrid Agreement and Protocol.

Osta Valetimuz dettir

Geneva, May 10, 2012

America.

America.

Date of notification: 10.05.2012
Language of the international application: English acters
List of goods and services - NCL(9):

Titanium and/or iron containing compounds for industrial use; metal oxides; metallic oxides; processed minerals;

1 113 988

Registration date: November 18, 2011

Date next payment due: November 18, 2021

TIGG Limited Level I.

282 Robelty Road SUBJACO (Australia).

WA 6006 (Australia).

Legal nature of the holder (legal entity) and place of organization. Limited Company, Australia.

Name and address of the representative: Wrays, Ground Floss, Vold Street, West Port MN 4008 (Australia).

TIVAN

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Indication relating to the nature or kind of mark: standard characters.

Indication relating to the nature or kind of mark: standard characters.

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To the standard of the nature or kind of mark: standard characters.

WORLD 34, chemin des Colombattes 1211 Genevis 20, Switzerland WWW.WIPO.Int



The Director of the United States Patent and Trademark Office

Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

United States Patent

Grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America, and if the invention is a process, of the right to exclude others from using, offering for sale or selling throughout the United States of America, or importing into the United States of America, products made by that process, for the term set forth in 35 U.S.C. 154(a)(2) or (c)(1), subject to the payment of maintenance fees as provided by 35 U.S.C. 41(b). See the Maintenance Fee Notice on the inside of the cover.

Joseph Matat

Performing the Functions and Duties of the Under Secretary of Commerce for Intellectual Property and Director of the United States Patent and Trademark Office



CERTIFICATE OF REGISTRATION OF

TRADE MARK

No. 1429747

I, Fatima Beattle, Registrar of Trade Marks hereby certify -

that the trade mark represented on this certificate was filed as Trade Mark No. 1429747 on 9 June 2011. It is due for renewal on 9 June 2021 and TNG Limited ACN/ARBN 000 817 023 of Level 1 282 Rokeby Road SUBIACO WA 6008 AUSTRALIA has been entered in the Register of Trade Marks as the owner of the trade mark.

TIVAN

The goods and/or services for which the trade mark is registered, plus any endorsement, additional owners or other information relating to the registration, are listed on the attached pages.



Given under my hand and the seal of the Trade Marks Office on 5 March 2012

Joan.

Fatima Beattie
REGISTRAR OF TRADE MARKS

TRADE MARKS ACT 1995

