



AFRICAN REGIONAL INTELLECTUAL PROPERTY ORGANIZATION (ARIPO)

ARIPO Form No. 21 HARARE PROTOCOL NOTIFICATION OF DECISION TO GRANT OR REGISTER (Rule 18(4); Instruction 52) To*: HONEY & BLANCKENBERG P.O. Box 85, Harare, ZIMBABWE	For Official Use Representative's File Reference: A2316
I. IN THE MATTER OF: <div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Application for grant of patent <input type="checkbox"/> Application for registration of Utility Model </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> Application No.: AP/P/2019/011990 Filing Date: 16.05.2018 </div>	
II. APPLICANT(S)** Name: THE SHREDDERED TIRE, INC. Address: 6742 N.W. 17th Avenue, Fort Lauderdale, Florida 33309, United States of America	
III. NOTIFICATION We hereby notify you, pursuant to Section 3(6)(b) / <i>Section 3ter(8)(b)</i> , that the ARIPO Office has decided to grant a patent /register utility model on the above-identified application. <div style="margin-top: 10px;"> <input checked="" type="checkbox"/> A copy of the search and examination report upon which this decision is based is attached hereto.** </div> <div style="margin-top: 10px;"> <input checked="" type="checkbox"/> A copy of the above-identified application is attached hereto.** </div> <p style="margin-top: 20px;">We hereby request the applicant(s) to make payment of the grant / registration and publication fees within Three(3) months (period specified)*** from the date of this notification.</p> <p style="margin-top: 20px;">Before the expiration of 6 months from the date of this notification, each designated State may, pursuant to Section 3(6)(a) / <i>Section 3ter(8)(a)</i>, make a written communication to the Office on ARIPO Form No. 22 to the effect that, if a patent is granted <i>or utility model registered</i> by the Office on the above-identified application, said patent <i>or utility model</i> shall have no effect in its territory for any of the reasons indicated in Section 3(6) (a) / <i>Section 3ter(8)(a)</i>.</p> <p style="margin-top: 20px;">Upon expiration of the said 6 months and subject to payment of the grant/<i>registration</i> and publication fee by the applicant (s), the Office shall grant the patent <i>or register utility model</i> in accordance with Section 3(7) / <i>Section 3ter(9)</i>, Rule 20 and Instructions 55 to 57, and the granted patent <i>or registered utility model</i> shall have effect in those designated States which have not made the communication referred to in the preceding paragraph.</p>	
This notification is being sent to****: Liberia	

- * Type name and address of person(s) to whom this Form is being sent.
- ** Attach a copy each of the search and examination report AND of the above-identified application.
- *** Period specified for fee payment
- **** Indicate all those to whom a notification Form No. 21 is being sent in connection with the above-identified application.

IV. SIGNATURE*



T Bemanya
DIRECTOR GENERAL

18.02.2022

(Date)



* Type name of Director General under signature.



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ADDENDUM TO FORM 21

Examination Report(Second Report)

Application No.	: AP/P/2019/011990	Applicant	: THE SHREDDED TIRE, INC.
Priority No.	: 62/506,849(US)	Priority Date	: 16.05.2017
Classification	: E04D 13/16, E04D 13/155, E04B 2/86, C04B 18/22, E04C 1/00		
Title	: ENVIRONMENTALLY RESPONSIBLE INSULATING CONSTRUCTION BLOCKS AND STRUCTURES		

I . Basis of the Report

The report has been established on the basis of:

Description.	: pages as originally filed pages 1-30 as filed on 02-12-2021
Claims	: pages as originally filed pages 31-35 as filed on 02-12-2021
Drawings/figures	: pages 1/22 - 22/22 as originally filed pages as filed on

II . International Search and Examination Report(s)

The International Search Report(ISR) and International Preliminary Report on Patentability(IPRP) have been taken into consideration.

III . Cited prior art

The following document(s) cited in **Search Report** are considered relevant to the application:

D1 US 20090288582 A1 (GLESSNER JAMES et al.) 26 November 2009
D2 WO 2017/086932 A1 (Richard D. SPREEN) 26 May 2017
D3 US 2002/0040079 A1 (LEE KIN-MAN AMAZON [CN], et al) 04 April 2002
D4 US 5 724 783 A (MANDISH THEODORE O [US]) 10 March 1998
D5 ONUAGULUCHI OBINNA ET AL, "Hardened properties of concrete mixtures containing pre-coated crumb rubber and silica fume", 02 July 2015.

IV . Observation

Title(Rule 5(5)(b) of the Harare Protocol)

☒ The title meets the requirements of Rule 5(5)(b) of the Regulations under the Harare Protocol

Abstract (Administrative Instruction 24 under the Harare Protocol)

☒ The abstract is acceptable.

Clarity/full support (Section 2bis(2) of the Harare Protocol)

☒ The present application comply with requirement of Section 2bis(2) of the Harare Protocol.

Any other observation

The representations and amendments submitted on 02-12-2021 in response to our first examination report have been carefully considered and found persuasive in overcoming all the previously raised objections.

The application is recommended for grant on the basis of the twenty claims on record.

V . Summary Statements

Statement	Claims	Status
Novelty	1-20	Yes
	NONE	No
Inventive step	1-20	Yes
	NONE	No
Industrial applicability	1-20	Yes
	NONE	No

VI. Patentability

Reasoning statement with regards to patentability [Section 3(10) of the Harare Protocol And its Implementing Regulations]

Novelty

Claims 1-20 are considered novel for the purposes of the Protocol.

Claims 1-20 are considered novel for the reasons outlined in the communication about intention to grant a European patent dated 27-05-2021 as issued in respect of corresponding features claimed in the European patent application no. 18 802 370.

While the conclusions regarding these claims was partly not made under the Protocol, we concur with the reasons given with respect to corresponding claimed features in the present application in the said report(s) and consider that the reasons support corresponding novelty finding for the present claims and/or features.

Inventive Step

Claims 1-20 are considered to be involving inventive step for the purposes of the Protocol.

Claims 1-20 are considered to be involving an inventive step for the reasons outlined in the communication about intention to grant a European patent dated 27-05-2021 as issued in respect of corresponding features claimed in the European patent application no. 18 802 370.

While the conclusion regarding these claims was not made under the Protocol, we concur with the reasons given in said report(s) and consider that they support corresponding finding for inventive step in the present claims and/or features.

Industrial Applicability

Claims 1-20 define features capable of finding practical application in industry.

VII. Surcharges

				Surcharge
Claims	No. of claims	No. of claims in excess of 10	US\$ 50 / extra claim	US\$ 500.00
	20	10		
Bulky document	No. of pages	No. of pages in excess of 30 pages	US\$ 20 or 30 / extrapage	US\$ 560.00
	58	28		
			Grand Total US	US\$ 1060.00

VIII. Conclusion

The patent may be granted subject to:

☒ Payment of surcharges fee of US\$ 1060.00

☒ Payment of grant and publication fees


☐ Correction of defects from the observation/deletion/amendment to the claim(s)

Signature:

Examiner: Omiti

Date: 18.02.2022

**SEARCH REPORT : AP/P/2019/011990**

APPLICANT NAME : THE SHREDDED TIRE, INC.		
INT.CLASSIFICATION : C04B 18/22 (2006.01) , E04C 1/00 (2006.01) , E04D 13/16 (2006.01) , E04D 13/155 (2006.01) , E04B 2/86 (2006.01)		
PCT APPLICATION [] INTERNATIONAL SEARCH AUTHORITY		
[] INT SEARCH REPORT [X] INT EXAMINATION REPORT		
INTERNAL SEARCH		
POLite []		
EXTERNAL SEARCH(ELECTRONIC DATA BASE CONSULTED)		
DOCUMENT CONSIDERED TO BE RELEVANT		
CAT	Citation of document, with indication, where appropriate, of the relevant passages	CLAIMS
A	US 2009/0288582 A1 (GLESSNER JAMES et al.) 26 November 2009 paragraphs [0001] , [0008] , [0009] , [0010] , [0011] , [0021] , [0026]; figure 1	1-20
P, X	WO 2017/086932 A1 (Richard D. SPREEN) 26 May 2017 entire document	1-20
A	US 2002/0040079 A1 (LEE KIN-MAN AMAZON [CN], et al) 04 April 2002 paragraphs [0036] , [0 62]	1-20
A	US 5 724 783 A (MANDISH THEODORE O [US]) 10 March 1998 page 2, lines 25-51	1-20
A	ONUAGULUCHI OBINNA ET AL, "Hardened properties of concrete mixtures containing pre-coated crumb rubber and silica fume", JOURNAL OF CLEANER PRODUCTION, ELSEVIER, AMSTERDAM, NL, vol. 82, XP029018018, ISSN 0959-6526, 02 July 2015 doi:10.1016/J.JCLEPRO.2014.06.068 pages 125 - 131, end of p.125 section 3.1 and fig.2	1-20
DATE : 25.06.2021		EXAMINER : John Omiti 

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason(as specified)

"P" document published prior to the international filing date but later than the priority date claimed

"O" document referring to an oral disclosure, use, exhibition or other means

"C" cited by Applicant

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family