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KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

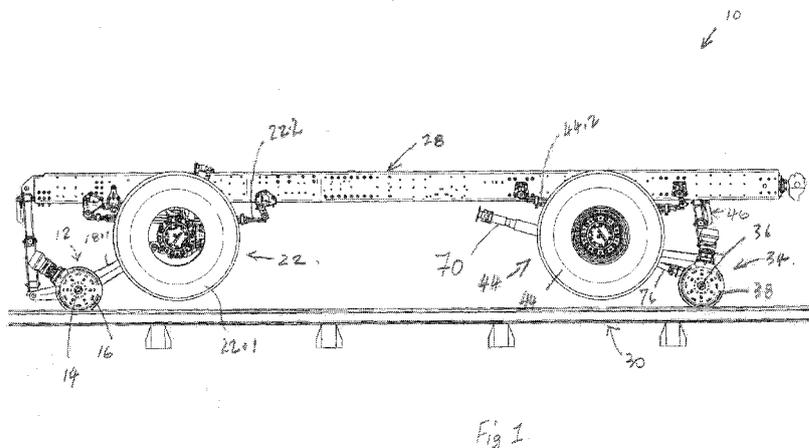
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Published:

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20 July 2017

(54) Title: A CONVERSION ARRANGEMENT FOR CONVERTING A ROAD-GOING VEHICLE INTO A VEHICLE WHICH IS ALSO ABLE TO TRAVEL ON RAILWAY



(57) Abstract: According to the invention there is provided a conversion arrangement for converting a road-going vehicle into a vehicle which is also able to travel on a railway which includes: front and rear rail wheelsets in the form of axles having a pair of rail wheels mounted thereon, front and rear support frames which are mounted rotatably on their respective axles, front and rear mounting means for allowing part of the front and rear support frames to be mounted on a road-wheel-assembly of a road-going vehicle and front and rear displacement means for inter-connecting the front and rear support frames and cross-members of a chassis of the road-going vehicle and for displacing the front and rear support frames and with them, the front and rear rail wheelsets, between an extended rail-going condition and a retracted road-going condition.

WO 2017/083888 A3

INTERNATIONAL SEARCH REPORT

International application No
PCT/ZA2016/050045

A. CLASSIFICATION OF SUBJECT MATTER
 INV. B60F1/04 F16H9/24
 ADD.
 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
 Minimum documentation searched (classification system followed by classification symbols)
 B60F F16H
 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2009/073899 A2 (FOURIE JOHANNES JACOBUS [ZA]) 11 June 2009 (2009-06-11)	1-12,27,28,41-49,58
A	page 4, line 11 - line 13; figures 1-8	13-18,20-26
X	----- AU 2006 220 375 A1 (KIM BOLVARY) 5 April 2007 (2007-04-05) abstract; figures 1-13 -----	1-12,19,34-38,58

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance	"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
"E" earlier application or patent but published on or after the international filing date	"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
"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)	"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
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 18 April 2017	Date of mailing of the international search report 20/06/2017
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Kepka, Maciek
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/ZA2016/050045

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.

3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
2-28, 34-38, 41-49(completely); 1, 58(partially)

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 2-28, 34-38, 41-49(completely); 1, 58(partially)

A conversion arrangement comprising special scissor jack assemblies

2. claims: 29-33(completely); 1, 58(partially)

A conversion arrangement comprising special brakes

3. claims: 39, 40(completely); 1, 58(partially)

A conversion arrangement comprising self-steering

4. claims: 50-57(completely); 58(partially)

A drive arrangement

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/ZA2016/050045

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2009073899	A2	11-06-2009	NONE

AU 2006220375	A1	05-04-2007	NONE
