THE NETHERLANDS
(N E D E R L A N D)

E4

COMMUNICATION

Concerning [1]:

- ~~approval granted~~
- approval extended
- ~~approval refused~~
- ~~approval withdrawn~~
- ~~production definitively discontinued~~

of a type of CNG/~~LNG~~ component pursuant to Regulation number 110.

Approval number: E4*110R02/00*0374*02

1. CNG/~~LNG~~ component considered:

- ~~Container(s) or cylinder(s)~~ [1]
- ~~Tank(s) or vessel(s)~~ [1]
- ~~Pressure indicator~~ [1]
- ~~Pressure relief valve~~ [1]
- ~~Automatic valve(s)~~ [1]
- ~~Excess flow valve~~ [1]
- ~~Gas-tight housing~~ [1]
- Pressure regulator(s) [1]
- ~~Non-return valve(s) or check valve(s)~~ [1]
- ~~Pressure relief device (PRD)(temperature triggered)~~ [1]
- ~~Manual valve~~ [1]
- ~~Flexible fuel lines~~ [1]
- ~~Filling unit or receptacle~~ [1]
- ~~Gas injector(s)~~ [1]
- ~~Gas flow adjuster~~ [1]
- ~~Gas/air mixer~~ [1]
- ~~Electronic control unit~~ [1]
- ~~Pressure and temperature sensor(s)~~ [1]
- ~~CNG filter(s)~~ [1]
- ~~PRD (pressure triggered)~~ [1]
- ~~Fuel rail~~ [1]
- ~~Heat exchanger(s)/vaporizer(s)~~ [1]
- ~~Natural gas detector(s)~~ [1]

P.O. Box 777
2700 AT Zoetermeer
The Netherlands

Tel. + 31 (0)79 345 83 02
E-mail ttv@rdw.nl
www.rdw.nl

Vehicle Admission & Surveillance

- ~~LNG filling receptacle(s)~~ [1]
- ~~LNG pressure control regulator(s)~~ [1]
- ~~LNG pressure and/or temperature sensor(s)~~ [1]
- ~~LNG manual valve(s)~~ [1]
- ~~LNG automatic valve(s)~~ [1]
- ~~LNG non-return valve(s)~~ [1]
- ~~LNG pressure relief valve(s)~~ [1]
- ~~LNG excess flow valve(s)~~ [1]
- ~~LNG fuel pump(s)~~ [1]
-

2.	Trade name or mark	:	Pressure regulator 1784NG series RegO Products Engineered Controls International LLC Macro Technologies LLC Blank Yuchai Weichai
3.	Manufacturer's name and address	:	Engineered Controls International LLC 100 RegO Drive 27244 Elon, North Carolina United States of America
4.	If applicable, name and address of manufacturer's representative	:	
5.	Submitted for approval on	:	May 2014
6.	Technical service responsible for conducting approval tests	:	Kiwa Nederland B.V. P.O. Box 137 7300 AC Apeldoorn The Netherlands
7.	Date of report issued by that service	:	January 30th 2018
8.	Number of report issued by that service	:	140700203_180101490
9.	Approval	:	~~granted~~/~~refused~~/extended/~~withdrawn~~ [1]
10.	Reason(s) of extension (if applicable)	:	The currently homologated Pressure regulator 1784NG series is updated to the latest Supplement version of the ECE Regulation 110
11.	Place	:	Zoetermeer
12.	Date	:	13-MAR-2018
13.	Signature	:	

R.F.R. Clement

14. The documents filed with the application or extension of approval can be obtained upon request.

[1] Strike out what does not apply.

ADDENDUM

1. Additional information concerning the type approval of a type of CNG~~/LNG~~ components pursuant to Regulation number 110.

1.1.	Natural Gas Storage System		
1.1.1.	Container(s) or cylinder(s) (for CNG system)		
1.1.1.1.	Dimensions	:	
1.1.1.2.	Material	:	
1.1.2.	Tank(s) or vessel(s) (for LNG system)		
1.1.2.1.	Capacity	:	
1.1.2.2.	Material	:	
1.2.	Pressure indicator		
1.2.1.	Working pressure(s) (2)	:	
1.2.2.	Material	:	
1.3.	Pressure relief valve (discharge valve)		
1.3.1.	Working pressure(s) (2)	:	
1.3.2.	Material	:	
1.4.	Automatic valve(s)		
1.4.1.	Working pressure(s) (2)	:	
1.4.2.	Material	:	
1.5.	Excess flow valve		
1.5.1.	Working pressure(s) (2)	:	
1.5.2.	Material	:	
1.6.	Gas-tight housing		
1.6.1.	Working pressure(s) (2)	:	
1.6.2.	Material	:	
1.7.	Pressure regulator(s)		
1.7.1.	Working pressure(s) (2)	:	Class 1; 3.0 MPa (30 bar)
1.7.2.	Material	:	See report 140700203_180101490
1.8.	Non-return valve(s) or check valve(s)		
1.8.1.	Working pressure(s) (2)	:	
1.8.2.	Material	:	
1.9.	Pressure relief device (temperature triggered)		
1.9.1.	Working pressure(s) (2)	:	
1.9.2.	Material	:	
1.10.	Manual valve		
1.10.1.	Working pressure(s) (2)	:	
1.10.2.	Material	:	
1.11.	Flexible fuel lines		
1.11.1.	Working pressure(s) (2)	:	
1.11.2.	Material	:	

1.12.	Filling unit or receptacle	
1.12.1.	Working pressure(s) [2]	:
1.12.2.	Material	:
1.13.	Gas injector(s)	
1.13.1.	Working pressure(s) [2]	:
1.13.2.	Material	:
1.14.	Gas flow adjuster	
1.14.1.	Working pressure(s) [2]	:
1.14.2.	Material	:
1.15.	Gas/air mixer	
1.15.1.	Working pressure(s) [2]	:
1.15.2.	Material	:
1.16.	Electronic control unit	
1.16.1.	Basic software principles	:
1.17.	Pressure and temperature sensor(s)	
1.17.1.	Working pressure(s) [2]	:
1.17.2.	Material	:
1.18.	CNG filter(s)	
1.18.1.	Working pressure(s) [2]	:
1.18.2.	Material	:
1.19.	PRD (pressure triggered)	
1.19.1.	Working pressure(s) [2]	:
1.19.2.	Material	:
1.20.	Fuel rail(s)	
1.20.1.	Working pressure(s) [2]	:
1.20.2.	Material	:
1.21.	Heat Exchanger(s)/Vaporizer(s)	
1.21.1.	Working pressure(s) [2]	:
1.21.2.	Material	:
1.22.	Natural gas detector(s)	
1.22.1.	Working pressure(s) [2]	:
1.22.2.	Material	:
1.23.	LNG filling receptacle(s)	
1.23.1.	Working pressure(s) [2]	:
1.23.2.	Material	:
1.24.	LNG pressure control regulator(s)	
1.24.1.	Working pressure(s) [2]	:
1.24.2.	Material	:
1.25.	LNG pressure and/or temperature sensor(s)	
1.25.1.	Working pressure(s) [2]	:
1.25.2.	Material	:

1.26.	LNG manual valve(s)	
1.26.1.	Working pressure(s) [2]	:
1.26.2.	Material	:
1.27.	LNG automatic valve(s)	
1.27.1.	Working pressure(s) [2]	:
1.27.2.	Material	:
1.28.	LNG non-return valve(s)	
1.28.1.	Working pressure(s) [2]	:
1.28.2.	Material	:
1.29.	LNG pressure relief valve(s)	
1.29.1.	Working pressure(s) [2]	:
1.29.2.	Material	:
1.30.	LNG excess flow valve(s)	
1.30.1.	Working pressure(s) [2]	:
1.30.2.	Material	:
1.31.	LNG fuel pump(s)	
1.31.1.	Working pressure(s) [2]	:
1.31.2.	Material	:

[2] Specify the tolerance