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

E4

COMMUNICATION

Concerning [1]:

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- ~~approval withdrawn~~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

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

Approval number: E4-110R-010374 **Extension number: 01**

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

- ~~Container(s) or cylinder(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)~~ [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~~ [2]
- ~~Heat exchanger/vaporizer~~ [2]
- ~~Natural gas detector~~ [2]
- ~~LNG filling receptacle~~ [2]
- ~~LNG pressure control regulator~~ [2]
- ~~LNG pressure and/or temperature sensor~~ [2]
- ~~LNG manual valve~~ [2]

RDW

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 non return valve~~[2]
- ~~LNG pressure relief valve~~[2]
- ~~LNG excess flow valve~~[2]
- ~~LNG fuel pump~~[2]

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	:	Engineerd 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	:	July 1th, 2015
8.	Number of report issued by that service	:	140700203_150602051
9.	Approval	:	~~granted~~/~~refused~~/extended/~~withdrawn~~ (1)
10.	Reason(s) of extension (if applicable)	:	Alternate Construction with a small gasket to seal a potential leak path at the ID of the diaphragm.
11.	Place	:	Zoetermeer
12.	Date	:	20-JUL-2015
13.	Signature	:	

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 components pursuant to Regulation number 110.

1.1.	Container(s) or cylinder(s)		
1.1.1.	Dimensions	:	
1.1.2.	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; 3000 kPa
1.7.2.	Material	:	See Report 140700203_150602051
1.8.	Non-return valve(s) or non-return 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	:	

JE MAINTIENDRAI
RDW

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 (CNG-fuelling)
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] : ... MPa
1.19.2. Material :

1.20. Fuel rail(s)
1.20.1. Working pressure(s) [2] : ... MPa
1.20.2. Material :

1.21. Heat Exchanger(s) / Vaporizer(s)
1.21.1. Working pressure(s) [2] : ... MPa
1.21.2. Material :

1.22. Natural gas detector(s)
1.22.1. Working pressure(s) [2] : ... MPa
1.22.2. Material :

1.23. LNG filling receptacle(s)
1.23.1. Working pressure(s) [2] : ... MPa
1.23.2. Material :

1.24. LNG pressure control regulator(s)
1.24.1. Working pressure(s) [2] : ... MPa
1.24.2. Material :

1.25. LNG pressure and/or temperature sensor(s)
1.25.1. Working pressure(s) [2] : ... MPa
1.25.2. Material :

1.26. LNG manual valve(s)
1.26.1. Working pressure(s) [2] :
1.26.2. Material :

JE MAINTIENDRAI
RDW

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

[(2)] Specify the tolerance