Title (en)
Production of gas mixtures in large quantities

Title (de)
Herstellung von Gasgemischen in grossen Mengen

Title (fr)
Préparation de mélanges de gaz en grandes quantités

Publication
EP 0992732 A2 20000412 (DE)

Application
EP 99116523 A 19990824

Priority
DE 19846288 A 19981008

Abstract (en)
Production of gas mixtures comprises filling the components of the gas mixture into one or more pressurized gas containers having a capacity of at least 100 m<3> at 200 bar at the same time or subsequently, and measuring the gas pressure in the container using a pressure measuring device.

Abstract (de)
Bei dem Verfahren zur Herstellung von Gasgemischen werden die Gaskomponenten des Gasgemisches in einen oder mehrere Druckgasbehälter mit einem Fassungsvermögen von mindestens 100 m<3> bei 200 bar gleichzeitig oder nacheinander gefüllt werden, wobei mittels einer Druckerfassungseinrichtung, vorzugsweise temperaturkompensiert, an mindestens einem Druckgasbehälter der Gasdruck in dem Druckgasbehälter gemessen wird. Der oder die Druckgasbehälter sind vorzugsweise an einem Kraftfahrzeug oder Schienenfahrzeug angebracht, so daß die Herstellung des Gasgemisches Vorort erfolgen kann. <IMAGE>

IPC 1-7 (main, further and additional classification)
F17C 5/06; B01F 15/04

IPC 8 full level (invention and additional information)
B01F 3/02 (2006.01); **B01F 15/04** (2006.01); **F17C 5/06** (2006.01); **F17C 13/02** (2006.01)

CPC (invention and additional information)
B01F 15/0429 (2013.01); **B01F 3/026** (2013.01); **F17C 5/06** (2013.01); **F17C 13/02** (2013.01); F17C 2201/054 (2013.01); F17C 2223/036 (2013.01); F17C 2265/025 (2013.01)

Cited by
DE102007029020A1; DE19915779B4; EP1043540A3

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

EPO simple patent family
EP 0992732 A2 20000412; EP 0992732 A3 20060503; DE 19846288 A1 20000420

INPADOC legal status

2007-08-30 [REG DE 8566] DESIGNATED COUNTRY DE NOT LONGER VALID

2007-07-18 [18D] APPLICATION DEEMED TO BE WITHDRAWN
- Effective date : 20061104

2007-01-10 [AKX] PAYMENT OF DESIGNATION FEES

2006-07-19 [RAP1] TRANSFER OF RIGHTS OF AN APPLICATION
- Owner name : AIR LIQUIDE DEUTSCHLAND GMBH

2006-07-19 [RAP1] TRANSFER OF RIGHTS OF AN APPLICATION
- Owner name : MESSER GROUP GMBH

2006-05-03 [AK] DESIGNATED CONTRACTING STATES:
- Kind Code of Ref Document : A3
- Designated State(s) : AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

2006-05-03 [AX] REQUEST FOR EXTENSION OF THE EUROPEAN PATENT TO:
- Countries : AL LT LV MK RO SI

2006-03-22 [RAP1] TRANSFER OF RIGHTS OF AN APPLICATION
- Owner name : AIR LIQUIDE DEUTSCHLAND GMBH

2006-03-22 [RAP1] TRANSFER OF RIGHTS OF AN APPLICATION
- Owner name : MESSER GROUP GMBH

2006-03-15 [RAP1] TRANSFER OF RIGHTS OF AN APPLICATION
- Owner name : MESSER GROUP GMBH

2005-06-22 [RAP1] TRANSFER OF RIGHTS OF AN APPLICATION
- Owner name : AIR LIQUIDE DEUTSCHLAND GMBH

2005-03-09 [RAP1] TRANSFER OF RIGHTS OF AN APPLICATION

- Owner name : AIR LIQUIDE DEUTSCHLAND GMBH

2005-03-02 [RAP1] TRANSFER OF RIGHTS OF AN APPLICATION
- Owner name : AIR LIQUIDE DEUTSCHLAND GMBH

2002-10-09 [RAP1] TRANSFER OF RIGHTS OF AN APPLICATION
- Owner name : MESSER GRIESHEIM GMBH

2000-04-12 [AK] DESIGNATED CONTRACTING STATES:
- Kind Code of Ref Document : A2
- Designated State(s) : AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

2000-04-12 [AX] REQUEST FOR EXTENSION OF THE EUROPEAN PATENT TO:
- Free text : AL;LT;LV;MK;RO;SI