

Title (en)  
Process for the production of a gas mixture.

Title (de)  
Verfahren zur Herstellung eines Gasgemisches.

Title (fr)  
Procédé pour la préparation d'un mélange de gaz.

Publication  
**EP 0556753 B1 19950607 (DE)**

Application  
**EP 93102283 A 19930213**

Priority  
DE 4205126 A 19920220

Abstract (en)  
[origin: EP0556753A1] The invention relates to a process for the production of a gas mixture in a pressurised gas vessel, with at least one component which can be liquefied at ambient temperature and at a pressure below the pressurised gas vessel pressure, and with at least one component which cannot be liquefied at this pressure and this temperature, which process is characterised in that an initial gas mixture with the liquefiable component is first formed by means of an injector, with a content of the liquefiable component of the mixture which is greater than the proportion of the liquefiable component in the finished gas mixture, in that the initial gas mixture is then introduced into the pressurised gas vessel and in that subsequently the non-liquefiable component is introduced into the pressurised gas vessel until the desired gas mixture composition has been reached. <IMAGE>

IPC 1-7  
**F17C 5/06**

IPC 8 full level  
**B01F 23/10** (2022.01); **F17C 5/06** (2006.01)

CPC (source: EP US)  
**B01F 23/12** (2022.01 - EP); **B01F 23/191** (2022.01 - EP); **B01F 25/312** (2022.01 - EP); **B01F 25/31242** (2022.01 - EP);  
**B01F 35/21** (2022.01 - EP US); **B01F 35/2111** (2022.01 - EP); **B01F 35/881** (2022.01 - EP); **F17C 5/06** (2013.01 - EP);  
**B01F 35/20** (2022.01 - EP); **F17C 2201/0109** (2013.01 - EP); **F17C 2201/0119** (2013.01 - EP); **F17C 2221/013** (2013.01 - EP);  
**F17C 2221/014** (2013.01 - EP); **F17C 2221/016** (2013.01 - EP); **F17C 2221/03** (2013.01 - EP); **F17C 2223/0123** (2013.01 - EP);  
**F17C 2223/0161** (2013.01 - EP); **F17C 2223/036** (2013.01 - EP); **F17C 2227/04** (2013.01 - EP)

Cited by  
JP2003065495A; DE102009015511B3; CN105547797A; EP0992732A3; CN114033965A; FR2703262A1; EP0992733A3; US5937917A;  
US6073665A; EP0813023A3; WO9419614A1

Designated contracting state (EPC)  
AT BE DE FR GB NL

DOCDB simple family (publication)  
**EP 0556753 A1 19930825; EP 0556753 B1 19950607**; AT E123561 T1 19950615; DE 4205126 A1 19930826; DE 59300239 D1 19950713

DOCDB simple family (application)  
**EP 93102283 A 19930213**; AT 93102283 T 19930213; DE 4205126 A 19920220; DE 59300239 T 19930213