

Title (en)  
Gas mixing apparatus

Title (de)  
Gasmischeinrichtung

Title (fr)  
Mélangeur de gaz

Publication  
**EP 1116513 A2 20010718 (EN)**

Application  
**EP 01100767 A 20010112**

Priority  
US 48203500 A 20000113

Abstract (en)  
This invention is directed to a compact gas mixing apparatus for accurately mixing a plurality of gases. This apparatus comprises a gas panel, pressure control valves (16,18) to regulate differential pressures, flow meters (30,32) and a static mixing chamber (34). The plurality of gases may be a minor gas and a major gas, where, for example, the major gas is nitrogen, and the minor gas is air or oxygen. The major gas and said minor gas is preferably mixed in a proportion of from about 100ppm to about 10,000ppm minor gas in the major gas, more preferably in a proportion of from about 500ppm to about 2,000ppm minor gas in the major gas. <IMAGE>

IPC 1-7  
**B01F 3/02**

IPC 8 full level  
**B01F 23/10** (2022.01)

CPC (source: EP KR)  
**B01F 23/10** (2022.01 - KR); **B01F 23/19** (2022.01 - EP)

Cited by  
CN106621870A; CN107714358A; JP2016117037A; FR2919725A1; CN102806045A; AT521176A4; AT521176B1

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

DOCDB simple family (publication)  
**EP 1116513 A2 20010718**; BR 0100060 A 20010821; CA 2330813 A1 20010713; CN 1323650 A 20011128; KR 20010077978 A 20010820; MX PA01000430 A 20030619

DOCDB simple family (application)  
**EP 01100767 A 20010112**; BR 0100060 A 20010112; CA 2330813 A 20010112; CN 01101514 A 20010112; KR 20010001801 A 20010112; MX PA01000430 A 20010112