

Title (en)  
Nozzle for diluting phosphine

Title (de)  
Düse zur Verdünnung von Phosphorwasserstoff

Title (fr)  
Buse pour la dilution de la phosphine

Publication  
**EP 1250950 B1 20040211 (DE)**

Application  
**EP 02006308 A 20020321**

Priority  
DE 20106613 U 20010417

Abstract (en)  
[origin: US2002148913A1] The present invention relates to a nozzle for thinning of phosphine (chemical formula PH<sub>3</sub>), which is consisting in a tube-like air-inducing, a ring-like mounted split (ring split) and/or in at least one lateral mounted little tube as PH<sub>3</sub>-inducing (inducer), whereby the thickness of the split opening and/or of the opening of the little tube is maximum {fraction (1/25)} of the diameter of the tube like air-inducing (inducer) and/or of the distance between the surface of an air guiding element and the inner side of the tube-like air-inducing (inducer) in the area of the PH<sub>3</sub>-entrance.

IPC 1-7  
**B01F 5/04**

IPC 8 full level  
**B05B 7/04** (2006.01); **B05B 1/06** (2006.01)

CPC (source: EP US)  
**B01F 25/312** (2022.01 - EP US); **B01F 25/31242** (2022.01 - EP US); **B01F 25/314** (2022.01 - EP US); **B01F 23/10** (2022.01 - EP US)

Cited by  
WO2011115848A1

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)  
**US 2002148913 A1 20021017**; **US 7163161 B2 20070116**; AR 032272 A1 20031029; AT E259256 T1 20040215; AU 1355002 A 20021024; AU 784088 B2 20060202; BR 0200276 A 20030107; BR PI0200276 B1 20190618; CA 2377121 A1 20021017; CA 2377121 C 20121002; CN 1234463 C 20060104; CN 1381315 A 20021127; DE 20106613 U1 20010712; DE 50200239 D1 20040318; EP 1250950 A1 20021023; EP 1250950 B1 20040211; ES 2215151 T3 20041001; JP 2002320882 A 20021105; JP 4030315 B2 20080109; MX PA02001287 A 20051104; ZA 200200563 B 20020726

DOCDB simple family (application)  
**US 11881402 A 20020409**; AR P020100256 A 20020125; AT 02006308 T 20020321; AU 1355002 A 20020123; BR 0200276 A 20020131; BR PI0200276 A 20020131; CA 2377121 A 20020318; CN 02108592 A 20020403; DE 20106613 U 20010417; DE 50200239 T 20020321; EP 02006308 A 20020321; ES 02006308 T 20020321; JP 2002028130 A 20020205; MX PA02001287 A 20020206; ZA 200200563 A 20020122