

Title (en)
A process for distributing ultra high purity gases with minimized corrosion

Title (de)
Verfahren zum Verteilen von ultrareinen Gasen mit minimierter Korrosion

Title (fr)
Procédé pour distribuer des gaz à ultra haute pureté avec corrosion minimisée

Publication
EP 0719978 A2 19960703 (EN)

Application
EP 95402914 A 19951222

Priority
• US 36646894 A 19941230
• US 50686795 A 19950725

Abstract (en)
A process for reducing corrosion in a gas distribution network of ultra high purity gas or any part of said distribution network, comprising: (a) Wet cleaning the gas distribution network or at least one part thereof with a wet cleaning agent, (b) Liquid drying said gas distribution network or said at least one part thereof with an H₂O desorbing liquid drying agent selected from the group consisting of acetone dimethylacetal DMP, 2.2 dichloropropane DCP or 2.2 dibromopropane DBP, mixtures thereof and any equivalent thereof, (c) purging said gas distribution network or any said part thereof with a dry high purity gas comprising less than 1 ppm of any impurity, and (d) evacuating said gas distribution network or any said part thereof at a pressure which is lower than 5×10^{-4} Pascal (e) exposing said gas distribution network or said any part thereof to an atmosphere comprising an ultra high purity corrosive gas or air.

IPC 1-7
F17C 9/00

IPC 8 full level
B08B 9/00 (2006.01); **B08B 9/02** (2006.01); **F17C 9/00** (2006.01)

CPC (source: EP)
B08B 9/00 (2013.01); **B08B 9/032** (2013.01); **B08B 9/0321** (2013.01); **B08B 9/0323** (2013.01); **F17C 9/00** (2013.01); **F17C 2205/0326** (2013.01); **F17C 2205/0335** (2013.01); **F17C 2205/0341** (2013.01); **F17C 2221/05** (2013.01); **F17C 2227/0135** (2013.01); **F17C 2227/044** (2013.01); **F17C 2250/043** (2013.01); **F17C 2260/053** (2013.01); **F17C 2265/012** (2013.01)

Cited by
EP1102947A4; EP2157353A1; US8297304B2; WO2004018118A3

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
EP 0719978 A2 19960703; **EP 0719978 A3 19970502**; **EP 0719978 B1 20011024**; DE 69523428 D1 20011129; DE 69523428 T2 20020711

DOCDB simple family (application)
EP 95402914 A 19951222; DE 69523428 T 19951222