

Title (en)
INSTRUMENT FOR MAGNETIC MEASUREMENT OF OXYGEN

Title (de)
MAGNETISCHE SAUERSTOFFMESSEINRICHTUNG

Title (fr)
APPAREIL DE MESURE MAGNETIQUE DE LA QUANTITE D'OXYGENE

Publication
EP 0861436 A1 19980902 (DE)

Application
EP 97909166 A 19970918

Priority

- DE 9702137 W 19970918
- DE 19639989 A 19960918

Abstract (en)
[origin: WO9812553A1] The present invention pertains to an instrument for measuring the oxygen contained in a gas mixture or a gas matrix under the generic term used in claim 1. In order to improve this type of instrument for the magnetic measurement of oxygen so as to considerably simplify adjustment, the invention suggests that the dumbbell-type gas volumes, the mirror and the bucking coil be mounted onto a supporting plate as an integrated structural element based on the micromechanical structural pattern of silicone, and that the dumbbell-type gas volumes, consisting of a supporting plate and, positively fitted thereto, two capping plates of photosensitive glass, be mounted together with the mirror and the bucking coils to form a built-in structural unit.

IPC 1-7
G01N 27/74

IPC 8 full level
G01N 27/74 (2006.01)

CPC (source: EP US)
G01N 27/74 (2013.01 - EP US)

Citation (search report)
See references of WO 9812553A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 9812553 A1 19980326; EP 0861436 A1 19980902; US 5932794 A 19990803

DOCDB simple family (application)
DE 9702137 W 19970918; EP 97909166 A 19970918; US 7705998 A 19980518