

Title (en)

ECONOMICAL SPECTROMETER UNIT HAVING SIMPLIFIED STRUCTURE.

Title (de)

WIRTSCHAFTLICHE SPEKTROMETEREINHEIT MIT VEREINFACHTER STRUKTUR.

Title (fr)

UNITE DE SPECTROMETRE ECONOMIQUE PRESENTANT UNE STRUCTURE SIMPLIFIEE.

Publication

EP 0258409 A4 19891213 (EN)

Application

EP 87901938 A 19870219

Priority

US 83252086 A 19860221

Abstract (en)

[origin: WO8705100A1] A spectrometer construction is shown in which the chassis (32) of the spectrometer is fabricated by stamping, punching, and bending sheet metal, the mirror supports (58, 66) and other elements are also formed from sheet metal. Precision locations are assured by tab and slot matching of the sheet metal parts. The mirrors in the spectrometer, other than those in the interferometer (36), are secured directly to vertical sheet-metal walls without intervening adjustments. The mirrors (54, 56, 60, 62) have unitary reflection and backing structures formed either by a diamond-cutting lathe, or by precision plastic molding.

IPC 1-7

G01J 3/453; G02B 7/00

IPC 8 full level

G01B 9/02 (2006.01); **G01J 3/02** (2006.01); **G01J 3/453** (2006.01); **G02B 7/182** (2006.01)

CPC (source: EP)

G01J 3/02 (2013.01); **G01J 3/0291** (2013.01); **G01J 3/453** (2013.01); **G02B 7/182** (2013.01)

Citation (search report)

- [X] EP 0171837 A2 19860219 - PHILIPS ELECTRONIC ASSOCIATED [GB], et al
- See references of WO 8705100A1

Designated contracting state (EPC)

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