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(71) Applicants:
- **Mazda Motor Corporation**
  Aki-gun,
  Hiroshima 730-8670 (JP)
- **Kokoku Intech Co., Ltd**
  Taito-Ku,
  Tokyo 110-0015 (JP)

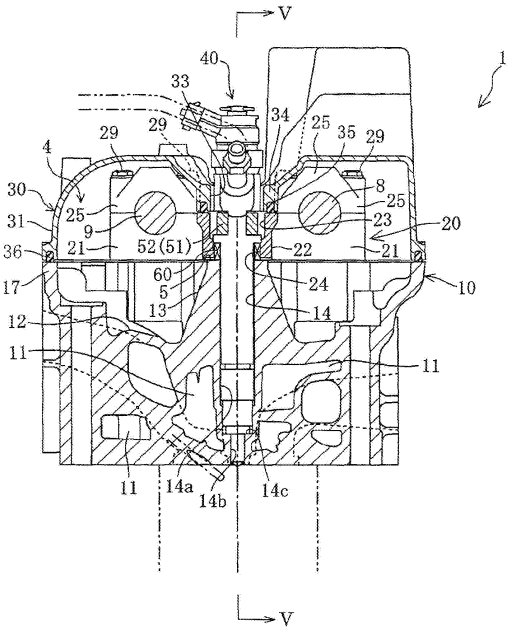
(72) Inventors:
- **Iso, Naohide**
  Hyogo Saitama 652-0811 (JP)
- **Takahara, Kazuhiro**
  Saitama Saitama 362-0806 (JP)
- **Kodama, Hiroshi**
  Aki-gun,
  730-8670 Hiroshima Hiroshima (JP)
- **Ishimoto, Daijiro**
  Aki-gun,
  730-8670 Hiroshima Hiroshima (JP)

(74) Representative: **Laufhütte, Dieter**
Lorenz-Seidler-Gossel
Widenmayerstrasse 23
80538 München (DE)

(54) Cylinder head structure for direct-injection diesel engine

(57) The peripheral region (10a) of each injector hole (14) in the top surface of a cylinder head (10) and the peripheral region (20a) of an associated insertion hole (injector insertion hole) (24) in the bottom surface of a cam holder (20) face each other with an annular clearance (5) left therebetween and a seal (60) is disposed between the insertion hole (24) and an associated injector (40). The seal (60) includes a seal body (61) and first to third sealing parts (62-64). The first sealing part (62) is engaged against the injector (40), the second sealing part (63) protrudes downward beyond the insertion hole (24) and is engaged against the peripheral region (10a) of the injector hole (14), and the third sealing part (64) is expanded in diameter and engaged against the inner periphery of the insertion hole (24) by compressively deforming the second sealing part (63).

FIG. 4



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EUROPEAN SEARCH REPORT

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TECHNICAL FIELDS SEARCHED (IPC)

F02M
F02F
F01L

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
The Hague	25 February 2009	Jucker, Chava

CATEGORY OF CITED DOCUMENTS

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