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Nomura et al.

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(54) **TEMPERATURE SENSOR ATTACHMENT MEMBER TREATED WITH DRY FILM LUBRICANT**

(58) **Field of Classification Search**

CPC ... F01N 13/008; F01N 2560/06; G01M 15/10
USPC 73/114.69, 114.75
See application file for complete search history.

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 162 days.

This patent is subject to a terminal disclaimer.

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(57) **ABSTRACT**

(30) **Foreign Application Priority Data**

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A temperature sensor (1) is configured such that a ring pressure section (21) is fixed to a ring seat face (39b) by screwing a fixing member (25) into a screw attachment member (37) in a state in which the ring pressure section (21) is seated on the ring seat face (39b), and pressing a front-end facing surface (25b) of the fixing member (25) against a rear-end facing surface (21c) of the ring pressure section (21). A dry film (41) containing an organic silicon polymer having a polycarbosi-lane skeleton that is cross-linked by a metal element and a solid lubricant such as molybdenum disulfide and mica is provided on at least one of the front-end facing surface (25b) of the fixing member (25) and the rear-end facing surface (21c) of the ring pressure section (21).

(51) **Int. Cl.**

G01M 15/10 (2006.01)
F01N 13/00 (2010.01)
F01N 13/16 (2010.01)

(52) **U.S. Cl.**

CPC **F01N 13/008** (2013.01); **F01N 13/16** (2013.01); **F01N 2560/06** (2013.01)

4 Claims, 2 Drawing Sheets

