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(54) Title (EN): INTAKE MANIFOLD

(54) Title (FR): COLLECTEUR D'ADMISSION

(54) Title (JA): 吸気マニホールド

(57) Abstract:

(EN): The present invention provides a compact intake manifold that easily and reliably holds a flame damper on a base member. To this end, a base member (21) into which a flame arrester (25) is incorporated comprises a recessed body (31) and an annular fitting/holding section (32) to which the flame arrester (25) is fit in the axial direction. The fitting/holding section (32) comprises an abutment surface (32a) and an inner circumferential fitting wall surface (32b). The flame arrester (25) is configured from a flame-inhibiting structure (26), an outer cylinder (27) surrounding the flame-inhibiting structure (26), and an elastic holder member (51) that covers the outer circumferential surface and both end surfaces of the outer cylinder (27). The elastic holder member (51) comprises an outer circumferential fitting section (52) that tightly adheres to the outer cylinder (27) and that is fit to the fitting/holding section (32). The outer circumferential fitting section (52) comprises a cylindrical wall part (52h) and a plurality of annular seal lips (52a, 52b, 52c) that are separated from each other and that protrude radially outward and to one side in the axial direction from the outer circumferential surface (52e) of the cylindrical wall part (52h).

(FR): L'invention fournit un collecteur d'admission compact dans lequel un dispositif d'extinction est soutenu de manière simple et sûre sur un élément de base. Un élément de base (21) auquel est incorporé un pare-feu (25), possède une partie corps creux (31), et une partie ajustement/soutien (32) de forme circulaire ajustant le pare-feu (25) dans une direction axiale. La partie ajustement/soutien (32) possède une face butée (32a) et une face de paroi périphérique interne d'ajustement (32b). Le pare-feu (25) est configuré par une structure anti-flamme (26), un corps tubulaire externe (27) entourant celui-ci, et un élément support élastique (51) revêtant la face périphérique externe et les deux faces extrémité du corps tubulaire externe (27). L'élément support élastique (51) possède une partie ajustement de périphérie externe (52) en adhésion sur le corps tubulaire externe (27), et s'ajustant à la partie ajustement/soutien (32). La partie ajustement de périphérie externe (52) possède : une portion paroi tubulaire (52h) ; et plusieurs lèvres de joint (52a, 52b, 52c) circulaires qui tout en faisant saillie depuis une face périphérique externe (52e) de la portion paroi tubulaire (52h) vers un côté externe de direction radiale et un des côtés de direction axiale, s'éloignent les unes des autres.

(JA): 消炎装置をベース部材に容易確実に保持するコンパクトな吸気マニホールドを提供すべく、フレームアレスタ(25)が組み込まれるベース部材(21)が凹状体部(31)とフレームアレスタ(25)を軸方向に嵌合させる環状の嵌合保持部(32)とを有し、嵌合保持部(32)が突当て面(32a)と嵌合内周壁面(32b)とを有しており、フレームアレスタ

(25)が、火災抑制構造体(26)と、それを取り囲む外筒体(27)と、外筒体(27)の外周面と両端面を覆う弾性ホルダ部材(51)とで構成されており、弾性ホルダ部材(51)は、外筒体(27)に密着しつつ嵌合保持部(32)に嵌合する外周嵌合部(52)を有し、外周嵌合部(52)は、筒状壁部分(52h)と、筒状壁部分(52h)の外周面(52e)から径方向外方側および軸方向一方側に突出しつつ互いに離間する複数の環状のシールリップ(52a、52b、52c)とを有している。

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