

Title (en)

Elastic supporting device for attaching a suction tube to an internal combustion engine.

Title (de)

Elastische Befestigungsvorrichtung zur Verbindung eines Ansaugrohres mit einer Verbrennungskraftmaschine.

Title (fr)

Dispositif de fixation élastique d'une tubulure d'aspiration à un moteur à combustion interne.

Publication

**EP 0529192 B1 19940928 (DE)**

Application

**EP 92105086 A 19920325**

Priority

DE 4125249 A 19910731

Abstract (en)

[origin: US5231957A] A resilient connecting device between an internal combustion engine and an intake pipe thereof comprises an annular cushion of resilient material and two mounting elements that are coaxial with it and fastened to the components being connected. The cushion is axially demarcated at each face by supporting surfaces that extend essentially perpendicular to its axis. The mounting elements overlap and contact the supporting surfaces. A cup spring, made of a material that does not creep, is aligned with the ring.

IPC 1-7

**F02M 35/10**

IPC 8 full level

**F02B 77/00** (2006.01); **F02M 35/10** (2006.01); **F02M 35/104** (2006.01); **F16F 1/32** (2006.01); **F16F 3/10** (2006.01); **F16F 15/04** (2006.01)

CPC (source: EP US)

**F02M 35/10078** (2013.01 - EP US); **F02M 35/10321** (2013.01 - EP US); **F05C 2225/08** (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

**DE 4125249 A1 19930204**; **DE 4125249 C2 19940303**; DE 59200563 D1 19941103; EP 0529192 A2 19930303; EP 0529192 A3 19930505; EP 0529192 B1 19940928; JP 2554226 B2 19961113; JP H05231254 A 19930907; US 5231957 A 19930803

DOCDB simple family (application)

**DE 4125249 A 19910731**; DE 59200563 T 19920325; EP 92105086 A 19920325; JP 20338292 A 19920730; US 88010592 A 19920506