Title (en)

Device for adjusting and coordinating a plurality of injection devices.

Title (de)

Einrichtung zur Einstellung und Gleichstellung einer Mehrzahl von Einspritzeinrichtungen.

Title (fr)

Dispositif pour le positionnement et la coordination d'une pluralité de dispositifs d'injection.

Publication

EP 0055245 A2 19820630 (DE)

Application

EP 81890198 A 19811210

Priority

AT 618580 A 19801218

Abstract (en)

1. Injection device for internal-combustion engines having fuel injection, comprising unit injectors adjoined to each engine cylinder, in which the variation of the injected amount of fuel in operation in effected by rotation of the plunger (1) having an inclined control edge via a crank (2) mainted at the foot of the plunger by means of a common reciprocable control rod (10) having coupling elements (12) frictionally connected thereto and coacting with said cranks (2), whereat for adjusting and coordinating the unit injectors the control rod (10) is lockable in a preselected sliding position, while the cranks (2) of the separate unit injectors, with the coupling elements (12) being disconnected from the control rod (10) for free shifting, are set in a rotational position each which for all unit injectors corresponds to the same predetermined amount of fuel to be injected, whereupon the coupling elements (12) are frictionally connected to the control rod (10), characterised in that a per se known stop means (8, 28) is provided for the rotational position of each crank (2) corresponding to the predetermined amount of fuel to be injected and that each stop means is a stop means (8, 28) for the crank whose rotational position is adjustable within the rotational range of the adjoined crank (2) with respect to the pump barrel or the body of the unit injector, resp., for adjusting and coordinating the predetermined amount of fuel to be injected and in operation is non-rotatably locked.

Abstract (de)

Zur Einstellung und Gleichstellung einer Mehrzahl von Einspritzvorrichtungen wird die gemeinsame Regelstange (10) der einzelnen Pumpe-Düse-Einheiten in einer vorbestimmten Lage festgelegt, und es werden die Kurbeln (2) der einzelnen Pumpe-Düse-Baueinheiten in eine Drehstellung gebracht, welche einer bestimmten Fördermenge jeder einzelnen Pumpe-Düse-Baueinheit entspricht. Die Kurbeln werden mit der Regelstange (10) kraftschlüssig verbunden, und es wird die Verschiebebewegung der Regelstange (10) wieder freigegeben. Zur Auffindung der Drehlage der Kurbel (2), welche einer bestimmten Fördermenge der zugehörigen Pumpe-Düse-Einheit entspricht, ist ein relativ zur Pumpenkolbenbüchse bzw. zum Gehäuse der Pumpe-Düse-Baueinheit in seiner Drehlage einstellbarer Anschlag (8, 28) für die Kurbel (2) vorgesehen.

IPC 1-7

F02M 59/28

IPC 8 full level

F02M 59/28 (2006.01)

CPC (source: EP)

F02M 59/28 (2013.01)

Cited by

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