

Title (en)
DEVICE FOR ADJUSTING AND COORDINATING A PLURALITY OF INJECTION DEVICES

Publication
EP 0055245 B1 19860305 (DE)

Application
EP 81890198 A 19811210

Priority
AT 618580 A 19801218

Abstract (en)
[origin: EP0055245A2] 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 is effected by rotation of the plunger (1) having an inclined control edge via a crank (2) maintained at the foot of the plunger by means of a common reciprocable control rod (10) having coupling elements (12) frictionally connected thereto and coaxing 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.

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
GB2128268A; EP1298315A4; AT387823B; GB2304829A; GB2304829B; US4603811A; AT386255B; EP0288669A1; CH672005A5; DE3539963A1; US4677952A; AT390125B; DE4207702A1; GB2140098A; FR2546235A1; AU569861B2; US6953022B1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0055245 A2 19820630; EP 0055245 A3 19831005; EP 0055245 B1 19860305; AT 381148 B 19860825; AT A618580 A 19860115; DE 3174018 D1 19860410

DOCDB simple family (application)
EP 81890198 A 19811210; AT 618580 A 19801218; DE 3174018 T 19811210