

Title (en)  
Fuel pump-injector unit.

Title (de)  
Kraftstoffeinspritzpumpen-Düsen-Einheit.

Title (fr)  
Injecteur-pompe combiné à un combustible.

Publication  
**EP 0097429 A1 19840104 (EN)**

Application  
**EP 83302947 A 19830523**

Priority  
US 38963682 A 19820618

Abstract (en)  
Pump-injector unit including a first retainer (68) for sealably and removably retaining the pump cylinder (32) against the housing (18) and a second retainer (148) for sealably and removably retaining an injector assembly (28) against the first retainer (68). The injector assembly (28) may be removed from the first retainer (68) without altering the position or arrangement of the pump elements (32,34) relative to the first retainer (68).

IPC 1-7  
**F02M 57/02**

IPC 8 full level  
**F02M 57/02** (2006.01)

CPC (source: EP)  
**F02M 57/02** (2013.01); **F02M 57/023** (2013.01)

Citation (search report)  
• [X] US 3055593 A 19620925 - MAY CLAUDE H, et al  
• [A] US 2408288 A 19460924 - BREMSER ALBERT T  
• [A] US 2082808 A 19370608 - MURPHY MOYES J  
• [A] US 3006556 A 19611031 - SHADE WILLIAM S, et al

Cited by  
GB2311558A; US4585171A; GB2268543A; GB2268543B; WO2016206835A1

Designated contracting state (EPC)  
BE DE FR GB IT

DOCDB simple family (publication)  
**EP 0097429 A1 19840104**; **EP 0097429 B1 19870722**; CA 1188582 A 19850611; DE 3372645 D1 19870827; JP S595870 A 19840112; MY 101909 A 19920215

DOCDB simple family (application)  
**EP 83302947 A 19830523**; CA 424060 A 19830321; DE 3372645 T 19830523; JP 8183783 A 19830512; MY PI19872065 A 19870928