

Title (en)  
Integrated injection system

Title (de)  
Integriertes Einspritzsystem

Title (fr)  
Système d'injection intégré

Publication  
**EP 1669582 A1 20060614 (DE)**

Application  
**EP 04106278 A 20041203**

Priority  
EP 04106278 A 20041203

Abstract (en)  
The injection system (2) is fitted to an internal combustion engine with the cylinder head (1). A holder can be connected to the cylinder head. The cylinder head is arranged so that the injection system is between the induction channels (3) and a cylinder head cavity (4). The injection system is connected to the wood so that a single construction element for assembly is formed.

IPC 8 full level  
**F02F 1/24** (2006.01); **F02F 7/00** (2006.01); **F02M 61/14** (2006.01)

CPC (source: EP)  
**F02M 55/025** (2013.01); **F02M 61/145** (2013.01); **F02M 61/166** (2013.01); **F02M 69/465** (2013.01); **F02M 2200/185** (2013.01);  
**F02M 2200/9015** (2013.01)

Citation (search report)

- [X] US 4757789 A 19880719 - LAINE GABRIEL [FR]
- [X] EP 1441122 A1 20040728 - NISSAN MOTOR [JP], et al
- [XA] US 4913119 A 19900403 - USUI MASAYOSHI [JP]
- [X] US 5533485 A 19960709 - BRONKAL BERNHARD [DE]
- [A] US 5682859 A 19971104 - WAKEMAN RUSSELL J [US]
- [A] EP 1146225 A2 20011017 - SIEMENS CANADA LTD [CA]
- [A] US 6076505 A 20000620 - GUGGENMOS ACHIM [DE], et al

Cited by  
DE102013016722A1; DE10251406B4

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 1715168 A1 20061025; EP 1715168 B1 20100804**; DE 502004006206 D1 20080327; DE 502004011493 D1 20100916;  
EP 1669582 A1 20060614; EP 1669582 B1 20080213

DOCDB simple family (application)  
**EP 06114462 A 20041203**; DE 502004006206 T 20041203; DE 502004011493 T 20041203; EP 04106278 A 20041203