

Title (en)  
SPARKING PLUG CONNECTOR FOR AN INTERNAL COMBUSTION ENGINE

Title (de)  
ZÜNDKERZENSTECKER FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)  
COSSE DE BOUGIE D'ALLUMAGE POUR MOTEUR A COMBUSTION INTERNE

Publication  
**EP 0888655 B1 20000531 (DE)**

Application  
**EP 97919259 A 19970308**

Priority  
• DE 9700459 W 19970308  
• DE 19611283 A 19960322

Abstract (en)  
[origin: US6068495A] PCT No. PCT/DE97/00459 Sec. 371 Date Sep. 18, 1998 Sec. 102(e) Date Sep. 18, 1998 PCT Filed Mar. 8, 1997 PCT Pub. No. WO97/36354 PCT Pub. Date Oct. 2, 1997The invention relates to a spark plug connector for an internal combustion engine, comprising a plug-in contact (28) for the electrode connection of a spark plug; a connector sleeve (3) surrounding the plug-in contact (28); a connection (32) for an ignition cable; a single-piece, rigid, supporting connector sleeve (3) made of an insulating material; and an elastic means (20) attached to the connector sleeve (3) which seals the gap (22) between the connector sleeve and a spark plug well of an engine cylinder, with the spark plug connector being guided in the spark plug well by the elastic means, in which a) the material of the connector sleeve (3) has a high melting point and a high electric strength; b) the gap between the connector sleeve (3) and the ceramic shaft of the spark plug is sealed by an elastic means (17) attached to the connector sleeve, by which means the spark plug connector is guided during plug-in onto the spark plug; c) in the connector sleeve (3) a ceramic inlet (7) is provided which encloses the plug-in contact (28) and the ignition cable connection (32), with the plug-in contact (28) and the ignition cable connection (32) being embedded in the ceramic inlet (7) in such a way that the ceramic part in axial direction protrudes beyond the plug-in contact (28) and the connection (32) for the ignition cable.

IPC 1-7  
**H01T 13/04**

IPC 8 full level  
**H01T 13/04** (2006.01)

CPC (source: EP US)  
**H01T 13/04** (2013.01 - EP US)

Designated contracting state (EPC)  
AT CH DK ES FI GB LI LU PT SE

DOCDB simple family (publication)  
**WO 9736354 A1 19971002**; AT E193623 T1 20000615; AU 2379497 A 19971017; DE 19611283 C1 19971023; DK 0888655 T3 20001009; EP 0888655 A1 19990107; EP 0888655 B1 20000531; ES 2150768 T3 20001201; NO 984191 D0 19980911; NO 984191 L 19980911; PT 888655 E 20001130; US 6068495 A 20000530

DOCDB simple family (application)  
**DE 9700459 W 19970308**; AT 97919259 T 19970308; AU 2379497 A 19970308; DE 19611283 A 19960322; DK 97919259 T 19970308; EP 97919259 A 19970308; ES 97919259 T 19970308; NO 984191 A 19980911; PT 97919259 T 19970308; US 15512298 A 19980918