

Title (en)  
APPARATUS FOR IGNITING A FUEL MIXTURE, TRANSMISSION ELEMENT FOR TRANSMITTING AN IGNITION SIGNAL, IGNITION DEVICE,  
AND CIRCUIT DEVICE

Title (de)  
VORRICHTUNG ZUR ZÜNDUNG EINES KRAFTSTOFFGEMISCHES, ÜBERTRAGUNGSELEMENT ZUR ÜBERTRAGUNG EINES  
ZÜNSIGNALS, ZÜNDEINRICHTUNG UND SCHALTUNGSEINRICHTUNG

Title (fr)  
DISPOSITIF D'ALLUMAGE D'UN MÉLANGE DE CARBURANT, ÉLÉMENT DE TRANSMISSION POUR LA TRANSMISSION D'UN SIGNAL  
D'ALLUMAGE, DISPOSITIF D'ALLUMAGE ET DISPOSITIF DE COMMUTATION

Publication  
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Application  
**EP 19749662 A 20190726**

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Abstract (en)  
[origin: WO2020021106A1] The invention relates to an apparatus for igniting a fuel mixture. Said apparatus comprises an ignition system (1) for generating a high-voltage ignition voltage as well as a circuit device (2) comprising a circuit for superposing a high-frequency signal onto the high-voltage ignition voltage. The apparatus further comprises a spark plug (10) in an engine block (9) as well as a transmission element (6) for transmitting the ignition voltage, onto which the high-frequency signal has been superposed, to the spark plug (10). The transmission element (6) includes a contact element (7) which is provided with an electrically conductive coating (20) along at least one portion of the longitudinal axis (A) of the contact element (7), the impedance of the coating (20) being lower than the impedance of the contact element (7).

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**H01T 13/04** (2013.01 - EP); **H01T 13/05** (2013.01 - US); **H01T 13/41** (2013.01 - EP)

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