

Title (en)  
ELECTRIC INITIATOR AND INITIATOR ASSEMBLY USING IT

Title (de)  
ELEKTRISCHER ZÜNDER UND ZÜNDSYSTEM MIT DIESEM ZÜNDER

Title (fr)  
AMORCE ELECTRIQUE ET ENSEMBLE AMORCE FAISANT APPEL A CETTE DERNIERE

Publication  
**EP 1308691 A4 20060809 (EN)**

Application  
**EP 01956824 A 20010809**

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Abstract (en)  
[origin: EP1308691A1] The present invention provides an electric type initiator having a stable electric characteristic, and thereby provides an electric type initiator having better reliability and an initiator assembly using the same. The present invention provides an electric type initiator comprising two electroconductive bodies, an insulating body provided between top portions of the electroconductive bodies, and an electric resistance wire spanned between the top portions of the electroconductive bodies which are exposed from an upper end portion of the insulating body, wherein a distance (L) of the electric insulating body between the top portions of the two electroconductive bodies is set to be not less than 0.8 times a horizontal distance (1) of a portion which determines the resistance value of the electric resistance wire between the electroconductive bodies. <IMAGE>

IPC 1-7  
**F42B 3/12**; **B60R 21/26**

IPC 8 full level  
**B60R 21/26** (2006.01); **B60R 21/264** (2006.01); **F42B 3/12** (2006.01); **F42D 1/045** (2006.01)

CPC (source: EP US)  
**F42B 3/103** (2013.01 - EP US)

Citation (search report)  
• [A] US 5404263 A 19950404 - GRAVES THOMAS J [US], et al  
• [A] US 4878430 A 19891107 - SENKOWSKI GOTTFRIED [DE], et al  
• [A] GB 2191566 A 19871216 - ROYAL ORDNANCE PLC  
• [A] DE 423491 C 19260104 - KARL MEY DR  
• [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 517 (M - 1481) 17 September 1993 (1993-09-17)  
• See references of WO 0212819A1

Cited by  
DE102012010608A1; DE102012009767A1; DE102012009769A1; DE102012009764A1; DE102012009766A1; DE102012009770A1;  
DE102012009763A1; DE102012009768A1; DE102012009765A1; US9395162B2; US9778001B2

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JP 2002054895 A 20020220; JP 4813642 B2 20111109; US 2003172831 A1 20030918; WO 0212819 A1 20020214

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