

Title (en)
PYROTECHNIC THERMAL FUSE

Title (de)
PYROTECHNISCHE TEMPERATURSICHERUNG

Title (fr)
FUSIBLE THERMIQUE PYROTECHNIQUE

Publication
EP 1885668 A4 20110316 (EN)

Application
EP 06716920 A 20060222

Priority
• SE 2006000230 W 20060222
• SE 0501183 A 20050526

Abstract (en)
[origin: WO2006126927A1] For gas generators that are to inflate airbags during a collision in a vehicle based auto- ignition system in the form of a temperature sensitive pyrotechnic composition for thermal fuse intended to produce spontaneous ignition at a well-defined auto-ignition temperature. This auto- ignition temperature must be lower than for the gas-generating mixture found in the gas generator. The pyrotechnic thermal fuse is characterized by the content of Guanylurea nitrate and/or Guanylurea dinitramide together with 3-nitro-1,2,4-triazol-5-one (NTO). Furthermore, it is mixed with an oxidizing agent plus a reducing agent in the form of a slag former. These components can be mixed in various compositions to produce an auto-ignition temperature between 150-180 °C.

IPC 8 full level
C06C 9/00 (2006.01); **C06B 25/34** (2006.01)

CPC (source: EP SE)
C06B 25/34 (2013.01 - EP SE); **C06B 33/00** (2013.01 - EP); **C06C 9/00** (2013.01 - EP SE)

Citation (search report)
• [Y] US 2001042577 A1 20011122 - REDECKER KLAUS [DE], et al
• [Y] US 5380380 A 19950110 - POOLE DONALD R [US], et al
• [Y] US 2003145922 A1 20030807 - TAYLOR ROBERT D [US], et al
• See also references of WO 2006126927A1

Designated contracting state (EPC)
DE FR

DOCDB simple family (publication)
WO 2006126927 A1 20061130; EP 1885668 A1 20080213; EP 1885668 A4 20110316; EP 1885668 B1 20140618; SE 0501183 L 20060530; SE 527743 C2 20060530

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