

Title (en)
PYROTECHNIC THERMAL FUSE

Title (de)
PYROTECHNISCHE TEMPERATURSICHERUNG

Title (fr)
FUSIBLE THERMIQUE PYROTECHNIQUE

Publication
EP 1885668 B1 20140618 (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)

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

DOCDB simple family (application)
SE 2006000230 W 20060222; EP 06716920 A 20060222; SE 0501183 A 20050526