

Title (en)
LIQUID GAS GENERATOR

Title (de)
FLÜSSIGGASGENERATOR

Title (fr)
GENERATEUR DE GAZ LIQUIDE

Publication
EP 0790906 A1 19970827 (DE)

Application
EP 95940169 A 19951109

Priority
• DE 4440247 A 19941111
• EP 9504404 W 19951109

Abstract (en)
[origin: DE4440247A1] A liquid gas generator for inflatable air bags that protect vehicle passengers in the event of a collision has a housing, a closed liquid gas reaction container (7) arranged in the housing, a cavity (9) arranged in the housing next to the reaction container (7), a firing element (4), and a piercing element (16) movable in the cavity that pierces a wall of the reaction container (7) when the firing element (4) is actuated, allowing the liquid gas combustion gases to escape from the reaction container (7) into the cavity (9) and from there out of the housing into the air-bag. In order to make it easier to open and pierce the reaction container (7) and to generate gas in a controlled and reproducible manner during the whole service life of the liquid gas generator, the piercing element (16) pierces with its whole length the wall of the reaction container (7) and penetrates in its entirety into the reaction container (7).

IPC 1-7
B60R 21/26

IPC 8 full level
B60R 21/264 (2006.01)

CPC (source: EP KR)
B60R 21/217 (2013.01 - KR); **B60R 21/26** (2013.01 - KR); **B60R 21/264** (2013.01 - EP KR)

Citation (search report)
See references of WO 9615012A1

Designated contracting state (EPC)
DE ES FR GB IT SE

DOCDB simple family (publication)
DE 4440247 A1 19960515; BR 9509643 A 19970916; CA 2204787 A1 19960523; CN 1171759 A 19980128; CZ 143097 A3 19971015; EP 0790906 A1 19970827; KR 970706991 A 19971201; MX 9703452 A 19980731; PL 320136 A1 19970915; TR 199501388 A2 19960621; TW 286302 B 19960921; WO 9615012 A1 19960523

DOCDB simple family (application)
DE 4440247 A 19941111; BR 9509643 A 19951109; CA 2204787 A 19951109; CN 95197227 A 19951109; CZ 143097 A 19951109; EP 9504404 W 19951109; EP 95940169 A 19951109; KR 19970703104 A 19970509; MX 9703452 A 19970509; PL 32013695 A 19951109; TR 9501388 A 19951108; TW 84112426 A 19951122