

Title (en)
Tear gas generating device

Title (de)
Tränengaserzeugungsanlage

Title (fr)
Dispositif générateur de gaz lacrimogène

Publication
EP 1480002 A1 20041124 (EN)

Application
EP 04447129 A 20040524

Priority
BE 200300319 A 20030523

Abstract (en)
The present invention relates to a tear gas generator (1) comprising at least one container (2, 12) which contains an amount of a tear gas generating chemical compound (5) in the solid state, the chemical compound causing irritation of at least one part of an eye upon contact. The container contains a heating (4, 14) for causing evaporation of the chemical compound (5) from the solid state to the gas phase, the heating being in direct and/or indirect thermal contact with the tear gas generating compound (5), and an outlet for expelling the gas from the container and the tear gas generator; the tear gas generating compound in the gas phase causing irritation of at least one part of the eye and/or human soft membranes upon contact. <IMAGE>

IPC 1-7
F41H 9/04

IPC 8 full level
F41H 9/04 (2006.01)

CPC (source: EP)
F41H 9/04 (2013.01)

Citation (search report)
• [XY] US 2003056638 A1 20030327 - POOLE TRENT A [US]
• [Y] US 1924783 A 19330829 - GOSS BYREN C
• [X] US 2730482 A 19560110 - RESTON STEVENSON
• [X] US 1909776 A 19330516 - ALEXANDER LOWY
• [X] US 2882239 A 19590414 - COMINGS EDWARD W, et al
• [PX] US 2003145851 A1 20030807 - JOHNSON WILLIAM C [US]
• [A] US 1892050 A 19321227 - GOSS BYRON C

Cited by
CN106628158A; DE102009019672A1; DE102009019672B4

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