Generateurs de gaz pour application de pressurisation. Dimensionnement, modélisation et essais d’un système générateur de gaz pyrotechnique pour extincteurs

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Generateurs de gaz pour application de pressurisation. Dimensionnement, modélisation et essais d’un système générateur de gaz pyrotechnique pour extincteurs

From 1997-03-10 to 1997-12-17

Project details

<table>
<thead>
<tr>
<th>Total cost:</th>
<th>Topic(s):</th>
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<tbody>
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<td>Not available</td>
<td>0202 - New methodologies for product design and manufacture</td>
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<tr>
<td>EU contribution:</td>
<td>Funding scheme:</td>
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<tr>
<td>Not available</td>
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Coordinated in:

Belgium

Objective

The research purpose of this proposal is to dimension, modelize and test a gas generator system (based on propergol) which will be integrated into a new extinguishers generation. The Belgian company DELTA, leader of this project, manufactures extinguishers since 1968, with a current production of about 1,000,000 of exemplaries per year. DELTA joins with EUROFEU and SNPE to lead the research and development program. EUROFEU is a French extinguishers manufacturer and SNPE a specialist in gas generator systems design. The new extinguishers should be characterized by: = higher compacity, security and efficiency (up to 35°C) = better protection of environment. The potential market represents about 1,000,000 extinguishers per year. Moreover, gas generator systems should be used in other pressurization applications, for instance induced by a rise of temperature and pressure. The research program CRAFT should allow to explore several opportunities of applications, as security valves.

Coordinator

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See on map

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