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EUROPEAN PATENT APPLICATION

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⑤④ **Method of burning a liquid fuel and water mixture as gaseous fuel and apparatus for carrying out said method.**

⑤⑦ Apparatus for burning liquid fuels in a gaseous fuel burner, comprising means (12) for mixing the liquid fuel (14) and liquid water (16) in a selected ratio, subsequently heating the mixture of water and liquid fuel in a heater (26) until both the water and the fuel are vaporized and then passing the mixture of hot fuel vapor and steam through pipe (38) and gas line (42) to the gaseous fuel burner.

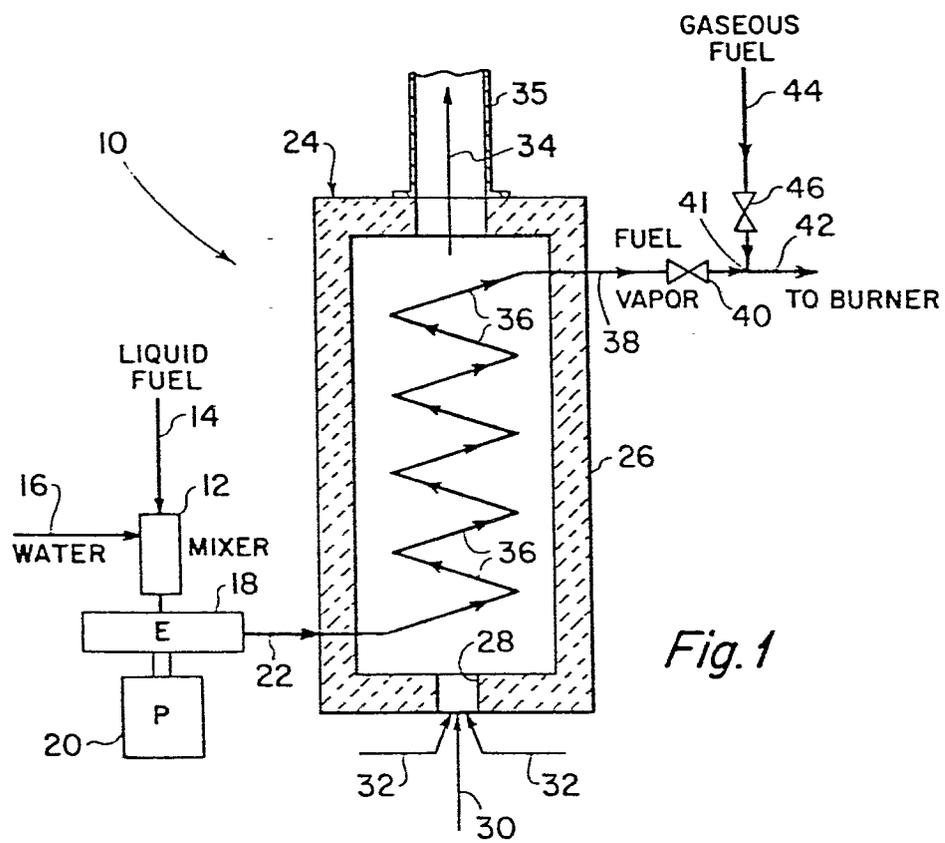


Fig. 1



| DOCUMENTS CONSIDERED TO BE RELEVANT | | CLASSIFICATION OF THE APPLICATION (Int. Cl.) | |
|-------------------------------------|---|---|--|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | |
| | <p><u>US - A - 3 480 416 (STOOPS)</u></p> <p>* Column 1, lines 18-30, 60-62; column 2, line 64 to column 3, line 18, lines 68-74; column 4, lines 47-69; column 5, lines 18-25, 37-67; column 7, lines 6-17; column 14, lines 57-60; figures 1,2 *</p> <p>---</p> <p><u>FR - A - 2 345 667 (PULLMAN)</u></p> <p>* Page 2, line 16 to page 3, line 5; page 4, lines 14-21; page 5, line 6 to page 6, lines 14, 25 to page 7, line 12; figure 1 *</p> <p>---</p> <p>D <u>US - A - 4 025 282 (REED)</u></p> <p>* Column 1, lines 10-17, 40-57; column 2, lines 1-8, 36-47; column 3, lines 16-47; figure 1 *</p> <p>---</p> <p><u>NL - C - 28 225 (MALLERY)</u></p> <p>* Page 2, lines 45-76; figures *</p> <p>---</p> <p><u>US - A - 3 876 363 (LA HAYE)</u></p> <p>* Column 3, line 4 to column 4, line 7, lines 53-65; column 5, lines 29-65; figure 1 *</p> <p>---</p> <p><u>US - A - 3 921 901 (WOODMAN)</u></p> <p>* Column 1, lines 51-61; column 2, lines 48-66; column 3, lines 52-62; column 4, lines 36-63; figure 1 *</p> <p>---</p> <p style="text-align: right;">./.</p> | <p>1,4,7</p> <p>1,4,7</p> <p>1,4,7,8</p> <p>1,4,7</p> <p>1,3,4,6,8,9</p> <p>1,3,4,6</p> | <p>F 23 K 5/00</p> <p>TECHNICAL FIELDS SEARCHED (Int. Cl.)</p> <p>F 23 K F 23 G F 23 C F 23 D</p> <p>CATEGORY OF CITED DOCUMENTS</p> <p>X: particularly relevant A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: conflicting application D: document cited in the application L: citation for other reasons</p> <p>&: member of the same patent family, corresponding document</p> |
| <input checked="" type="checkbox"/> | The present search report has been drawn up for all claims | | |
| Place of search | Date of completion of the search | Examiner | |
| The Hague | 24-10-1980 | PHOA | |



| DOCUMENTS CONSIDERED TO BE RELEVANT | | CLASSIFICATION OF THE APPLICATION (Int. Cl. 3) |
|-------------------------------------|--|--|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim |
| | <p><u>DE - A - 2 839 064</u> (CLEANODAN)</p> <p>* Page 3, page 4, paragraphs 1,5; page 5, paragraph 1; page 8, paragraph 1; figures 1,2 *</p> <p>---</p> | 2, 3, 5, 6 |
| A | <p><u>FR - A - 2 377 575</u> (ALLIED CHEMICAL)</p> | |
| A | <p><u>US - A - 3 291 191</u> (STOOPS)</p> <p>-----</p> | |
| | | TECHNICAL FIELDS SEARCHED (Int. Cl. 3) |
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