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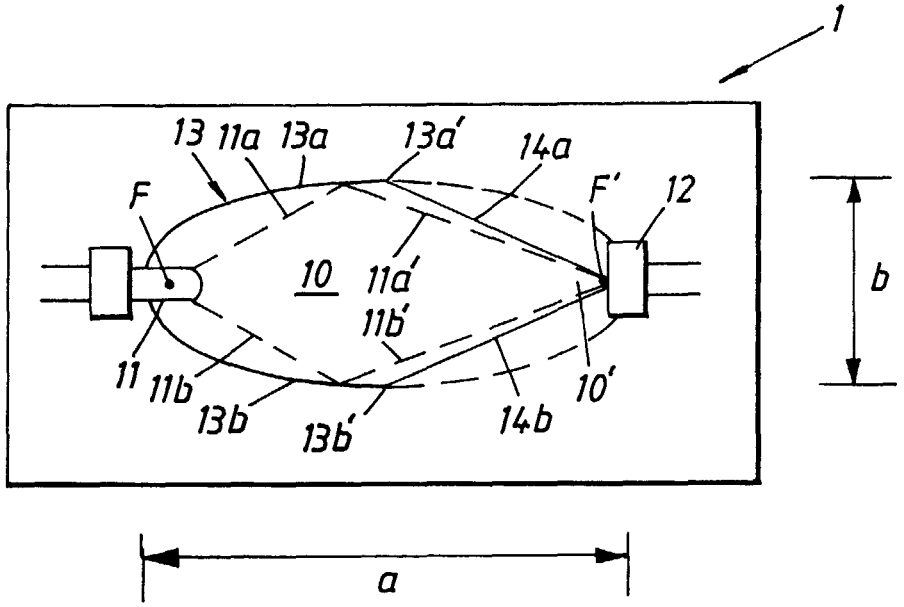
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(54) Title: GAS CELL ADAPTED FOR CARBON DIOXIDE




(57) Abstract: The invention relates to a gas cell (1) adapted for carbon dioxide and including a cavity (10) which is adapted for a chosen gas volume, a light source (11) and a light-bundle receiving unit (12). The light source (11) is placed in a focal point (F) associated with a partially elliptical mirror surface (13) forming a reflector for the light source (11) and a first defining surface of the cavity (10). Two other cavity-defining surfaces are comprised of gas-conducting surfaces (14a, 14b) orientated from the end-parts (13a', 13b') of the mirror surfaces (13a, 13b). The light-bundle receiving unit (12) is placed in a second focal point (F') associated with the partially elliptical mirror surfaces (13a, 13b).

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