

Title (en)

Device for regulating the air supply of a gas turbine.

Title (de)

Luftzufuhrregleinrichtung für eine Gasturbine.

Title (fr)

Dispositif d'alimentation en comburant d'une turbine à gaz comprenant des diaphragmes de réglage du débit.

Publication

**EP 0514260 A1 19921119 (FR)**

Application

**EP 92401300 A 19920513**

Priority

FR 9105962 A 19910516

Abstract (en)

The invention relates to a device for feeding oxidant to a combustion chamber (4) of a gas turbine comprising diaphragms (13-15) for regulating the flow of oxidant admitted, each diaphragm comprising a pivoting ring (15); the diaphragms are grouped in pairs; the rings (15) of two adjacent diaphragms each comprise a member (19) for regulating their pivoting; said members (19) for regulating the pivoting are connected (21) to a single control member (29). <??>According to the invention, the device for controlling the pivoting of the diaphragm comprises jacks (23) each comprising a working chamber (28) and a jack rod (29), the chambers of the different jacks being connected in parallel (40) to one and the same enclosure under pressure (41); the members for regulating the pivoting of two adjacent rings comprise, for each ring, a ball-joint housing (19) which is integral with said ring, a single ball-joint (21) being received in the housings of the two rings; and the ball-joint (21) is connected to said jack rod (29).  
<IMAGE>

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**F23R 3/26**

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- [XP] EP 0455559 A1 19911106 - SNECMA [FR]
- [A] US 3902316 A 19750902 - HUELLMANTEL LOUIS W
- [A] DE 1945921 A1 19710325 - MTU MUENCHEN GMBH [DE]

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