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(71) Applicant: **Mitsui Babcock Energy Limited**
Renfrew PA4 8DJ (GB)

(72) Inventor: **Upton, Mark**
Charlwood, Surrey RH6 0DR (GB)

(74) Representative: **Murnane, Graham John**
Murgitroyd & Company
165-169 Scotland Street
Glasgow G5 8PL (GB)

(54) **Supercritical Downshot Boiler**

(57) A downshot boiler (100,102) for heating water comprising: a first combustion chamber (110); at least one tube (120,122) for transporting water, the or each tube (120,122) being at least partially located at the first combustion chamber (110); and heating means for heating the first combustion chamber (110), the heating means comprising a downshot burner (22), wherein the boiler (100,102) is adapted to heat the water to a supercritical condition.

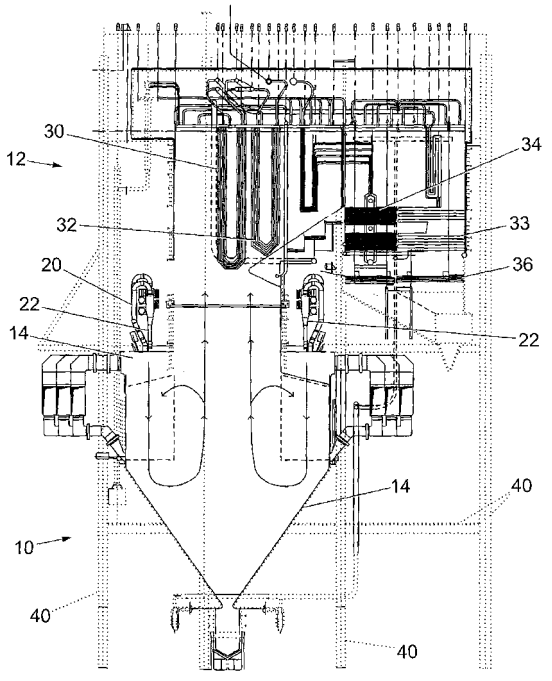

Fig. 4

EP 1 752 707 A8