

# **ABSTRACT**

## **Tube having an increased internal surface, used in furnaces, manufacturing process and applications**

The invention relates mainly to a tube used in furnaces, which includes at least one attached radial bar (4a, 4b, 4c, 4d, 4e, 4f) fastened by welding to the internal face (3) of the wall (2) of the tube (1). The invention also relates to a method of manufacturing such a tube, which includes at least one electron-beam or laser-beam welding step, in which at least one attached radial bar (4a, 4b, 4c, 4d, 4e, 4f) is welded, from outside the tube (1), to the internal face (3) of the wall (2) of the tube (1). The tubes of the invention may be used in reforming, steam-cracking or DRI furnaces.

**Fig. 8**