

ABSTRACT

**METHOD FOR COOLING METAL PARTS HAVING UNDERGONE
A NITRIDING/NITROCARBURISING TREATMENT IN A MOLTEN
5 SALT BATH, UNIT FOR IMPLEMENTING SAID METHOD AND
THE TREATED METAL PARTS**

According to the method:

- 10 - before the end of the treatment, a chamber (1), arranged so that the oxygen contained in said chamber can be discharged in order to create an inert atmosphere, is filled with a refrigerant in liquid form and with a strong capacity for volume expansion as it evaporates,
- all the parts treated are transferred into the chamber (1),
- the chamber is closed (1),
- 15 - the parts are left in the chamber for a preset length of time to reach a temperature at which the salt congeals and forms a protective barrier,
- the parts are removed and subjected to a rinsing operation.

REFERENCE: FIGURE 4

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