

Title (en)
GAS QUENCHING INSTALLATION AND THE CORRESPONDING QUENCHING METHOD

Title (de)
VORRICHTUNG UND VERFAHREN ZUM GASABSCHRECKEN

Title (fr)
INSTALLATION DE TREMPE PAR GAZ ET PROCEDE DE TREMPE CORRESPONDANT

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Abstract (en)
[origin: WO03068998A1] The invention relates to a gas quenching installation comprising a quenching cell (12), a buffer tank (10) which is intended to contain the quenching gas (6), gas connection means (32) which link the buffer tank (10) with the quenching cell (12) and gas supply means. Said gas supply means consist of an evaporator (8), the outlet (20) of which is connected to an inlet (22) in the buffer tank (10), and a high pressure storage tank (4) for the liquid-state quenching gas (6) which is connected to an inlet (16) in the evaporator (8), the connection means between the evaporator and the buffer tank having no gas compression means. The invention applies to installations used for the nitrogen quenching of steel parts.

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