

Title (en)

APPARATUS FOR THE INTERNAL AND EXTERNAL QUENCHING OF TUBULAR WORK PIECES

Publication

EP 0267080 B1 19901107 (FR)

Application

EP 87402230 A 19871007

Priority

FR 8614655 A 19861022

Abstract (en)

[origin: US4848752A] An apparatus for providing the inner and outer quenching of tubular metallic pieces and more particularly of steel tubes, characterized in that it includes successively in the direction of movement of said tubes: a series of primary quenching annuli through which progresses the tube to be quenched, a weir tank filled with quenching liquid and formed with an inlet orifice for the tube to be quenched, said orifice being provided with a tight closing shutter and at least on high pressure quenching annulus, a plurality of guiding cylinders and rollers placed in the weir tank for the rotating progress of the tube travelling through the tank, means for providing for the inner quenching under pressure of the tube travelling through the tank and means for the recovery of the quenching liquid discharged from the weir tank, its filtration, its return and new rises in pressure for, on the one hand feeding the tank and, on the other hand, feeding under a high pressure the quenching annuli and inner pressure quenching means.

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C21D 9/08

IPC 8 full level

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