

Title (en)
HARDENING CELL

Title (de)
HÄRTEZELLE

Title (fr)
CELLULE DE TREMPE

Publication
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Application
EP 12790595 A 20121018

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Abstract (en)
[origin: WO2013057431A1] The invention relates to a cell (5) for quenching a charge (14) under an atmosphere of gas. The cell comprises a centrifugal or helico-centrifugal impeller (22A, 22B) comprising a gas intake opening and gas discharge openings. The impeller is rotated by a motor (24A, 24B) to cause a flow of the gas between the charge and a heat exchanger (32, 34). The quenching cell comprises first and second mobile half-scrolls (40A, 40B, 42A, 42B). In a first position, the first half-scroll guides the gas discharged by a first part of the discharge openings (78A) and the second half-scroll closes off a first portion of the intake opening (76A). In a second position, the second half-scroll guides the gas discharged by a second part, different from the first part, of the discharge openings and the first half-scroll shuts off a second portion of the intake opening.

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