

Title (en)

Apparatus for exchanging tuyere in shaft furnaces.

Title (de)

Vorrichtung zum Entfernen und Einsetzen von Blasformen an Schachtöfen.

Title (fr)

Dispositif de montage ou de démontage de tuyères ou de tymphes de fours à cuve.

Publication

**EP 0443126 B1 19950308 (FR)**

Application

**EP 90123485 A 19901207**

Priority

LU 87676 A 19900214

Abstract (en)

[origin: US5127633A] The apparatus comprises a hydraulic ram mounted on a movable support designed to be placed in line with the axis of the tuyere or tymph so as to bear on the furnace wall and to act on a gripper composed of two telescopic members respectively displaceable relative to one another in the axial direction of the tuyere or of the tymph in order to ensure the support of the latter, said gripper being axially displaceable through the action of said ram. The hydraulic ram is a double piston ram comprising a traction piston acting on a pulled member of the gripper and a thrust piston acting on a propelled member of the gripper, and is consequently suitable for all forms of tuyeres and tymphs.

IPC 1-7

**C21B 7/16**

IPC 8 full level

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CPC (source: EP US)

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**EP 0443126 A1 19910828; EP 0443126 B1 19950308**; AT E119580 T1 19950315; AU 629437 B2 19921001; AU 6813890 A 19910815; BR 9100481 A 19911029; CA 2032391 A1 19910815; CA 2032391 C 20001003; CS 32391 A2 19910915; DE 69017655 D1 19950413; DE 69017655 T2 19950803; ES 2070256 T3 19950601; LU 87676 A1 19911008; PL 165136 B1 19941130; PL 289051 A1 19920323; RU 2041958 C1 19950820; SK 281596 B6 20010510; TR 25680 A 19930901; UA 26034 A1 19990226; US 5127633 A 19920707; ZA 91147 B 19911224

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