

Title (en)

Pipe rolling head, machine for shaping pipes comprising said head and control method for said machine

Title (de)

Rollkopf für Rohre, Umformmaschine mit einem solchen Rollkopf und Steuerverfahren für diese Umformmaschine

Title (fr)

Tête de roulage de tubes, machine à former des tubes comprenant la dite tête et procédé de contrôle de la dite machine

Publication

EP 1618972 A1 20060125 (EN)

Application

EP 04425533 A 20040719

Priority

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Abstract (en)

A pipe-rolling head comprises a body (3) rotating around a respective rolling axis (X); and at least three roll-holders (5) mounted on the rotating body (3), each adapted to receive a respective roll (6); the rolls (6) freely rotate around respective rotation axes (Y) that are substantially parallel to the rolling axis (X); the roll-holders (5) are susceptible of translation relative to the rotating body (3) between an open position at which the rolls (6) lie spaced apart from each other and from the rolling axis (X) and a closed position at which the rolls (6) lie close to each other in the vicinity of the rolling axis (X), to encompass a pipe (2) to be rolled which is coaxial with the rolling axis (X). The head further comprises a main motor (4a) connected with the rotating body (3) to set said rotating body (3) in rotation, and actuating means (9) to move the roll-holders (5) between the open and closed positions. The head is in addition provided with a control device (10) of the CNC type interlocked with the actuating means (9) for movement of the roll-holders (5) between the open and closed positions, to automatically control closing and opening of the roll-holders (5).

IPC 8 full level

B21D 41/04 (2006.01)

CPC (source: EP)

B21D 17/04 (2013.01); **B21D 41/04** (2013.01)

Citation (search report)

- [XA] US 6216512 B1 20010417 - IRIE TOHRU [JP]
- [XA] US 6233993 B1 20010522 - IRIE TOHRU [JP]
- [X] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 10 17 November 2000 (2000-11-17)

Cited by

CN109676043A; CN102921822A; CN111633078A

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