

Title (en)

Interchangeable device for axially moving the stopper of a tundish.

Title (de)

Auswechselbare Bedienungsvorrichtung zum axialen Verschieben eines Giesspfannenstopfens.

Title (fr)

Dispositif interchangeable de commande pour le déplacement axial de la quenouille d'une poche de coulée.

Publication

EP 0049225 A1 19820407 (EN)

Application

EP 81830166 A 19810917

Priority

IT 8343980 A 19800925

Abstract (en)

The invention concerns a commutable device for regulating the stopper (47) of a ladle (60), whereby the stopper (47) immersed in the ladle (60) is connected to a shaft (50) which moves in a direction axial to the stopper (47) itself and which comprises advantageously a tract (58) cooperating with axial drive means (57), said device including in mutual cooperation and coordination: - an actuator means (14) cooperating with said axial drive means (57), whereby intermediate safety means are advantageously present, - and means to control and regulate the actuator means (14).

IPC 1-7

B22D 41/10; **B22D 11/16**

IPC 8 full level

B22D 11/16 (2006.01); **B22D 11/18** (2006.01); **B22D 41/20** (2006.01)

CPC (source: EP)

B22D 11/181 (2013.01); **B22D 41/20** (2013.01)

Citation (search report)

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FR2695847A1

Designated contracting state (EPC)

AT BE DE FR GB

DOCDB simple family (publication)

EP 0049225 A1 19820407; **EP 0049225 B1 19850123**; AT E11383 T1 19850215; DE 3168506 D1 19850307; ES 505589 A0 19820616; ES 8205606 A1 19820616; IT 1136500 B 19860827; IT 8083439 A0 19800925; JP S5785669 A 19820528; SE 452123 B 19871116; SE 8105226 L 19820326; ZA 816132 B 19820929

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EP 81830166 A 19810917; AT 81830166 T 19810917; DE 3168506 T 19810917; ES 505589 A 19810918; IT 8343980 A 19800925; JP 14965381 A 19810924; SE 8105226 A 19810903; ZA 816132 A 19810903