

Title (en)
A sliding gate valve for a metallurgical vessel

Title (de)
Schieberverschluss für metallurgisches Gefäß

Title (fr)
Fermeture coulissante pour récipients métallurgiques

Publication
EP 1671722 A1 20060621 (EN)

Application
EP 04106738 A 20041220

Priority
EP 04106738 A 20041220

Abstract (en)
A sliding gate valve 10 comprising a flow regulating means 12, a short length refractory outlet tube 16 and an additional long length refractory flow protection tube 18. A mechanism 14 is provided for bringing, as required, either the outlet tube 16 or the flow protection tube 18 from a parking position into an operative position below the flow regulating means 12, respectively from the operative position into the parking position. The mechanism 14 supports the short length refractory outlet tube 16 and the long length refractory flow protection tube 18 side by side. When positioned, the long length refractory flow protection tube 18 assumes the function of a ladle shroud and the short length refractory outlet tube 16 assumes the function of a collector nozzle.

IPC 8 full level
B22D 41/56 (2006.01)

CPC (source: EP)
B22D 41/38 (2013.01); **B22D 41/56** (2013.01)

Citation (search report)
• [DA] GB 2271734 A 19940427 - TOKYO YOGYO KK [JP], et al
• [A] EP 0468363 B1 19960320 - DIDIER WERKE AG [DE]

Cited by
AT514848A1; AT514848B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1671722 A1 20060621; AT E412480 T1 20081115; CN 101102862 A 20080109; DE 602005010748 D1 20081211; EP 1838478 A1 20071003; EP 1838478 B1 20081029; WO 2006067038 A1 20060629

DOCDB simple family (application)
EP 04106738 A 20041220; AT 05816188 T 20051206; CN 200580046624 A 20051206; DE 602005010748 T 20051206; EP 05816188 A 20051206; EP 2005056537 W 20051206