

Title (en)
Holding structure for casting stopper

Title (de)
Haltevorrichtung für Stopfenstange

Title (fr)
Dispositif de fixation pour quenouille

Publication
EP 1188502 A1 20020320 (EN)

Application
EP 00120332 A 20000915

Priority
• EP 00120332 A 20000915
• CA 2319290 A 20000914

Abstract (en)
A holding structure for a continuous casting long stopper includes a continuous casting long stopper (12) including a shaft insertion hole (14) formed in an upper end thereof, a protrusion insertion groove (15) contiguous to and axially opposed to the shaft insertion hole (14), and a horizontal engagement groove (16) contiguous to a lower end of the protrusion insertion groove (15), and a holding rod (1) including a shaft (4) inserted into the shaft insertion hole (14), the shaft (4) having a lower end on which a radially protruding locking protrusion (11) is formed. In the structure, after the shaft (4) of the holding rod (1) is inserted into the shaft insertion hole (14) such that the locking protrusion (11) reaches the protrusion insertion groove (15), the locking protrusion (11) is caused to engage the engagement groove (16) by rotation of either the shaft (4) of the holding rod (1) or the long stopper (12) relative to the other. <IMAGE>

IPC 1-7
B22D 41/18

IPC 8 full level
B22D 41/18 (2006.01)

CPC (source: EP)
B22D 41/186 (2013.01)

Citation (search report)
• [X] DE 19823988 A1 19991209 - DIDIER WERKE AG [DE]
• [X] DE 4028793 A1 19920312 - DIDIER WERKE AG [DE]
• [XA] US 3281904 A 19661101 - MURTON CRAWFORD B

Cited by
EP2572813A1; WO2013041258A1; EP1621270A1; CN100384570C; WO2006012975A1; US9302321B2

Designated contracting state (EPC)
BE DE FR GB

DOCDB simple family (publication)
EP 1188502 A1 20020320; EP 1188502 B1 20050112; CA 2319290 A1 20020314

DOCDB simple family (application)
EP 00120332 A 20000915; CA 2319290 A 20000914