

Title (en)  
STOPPER ROD

Title (de)  
STOPFENSTANGE

Title (fr)  
QUENOUILLE

Publication  
**EP 1885516 B1 20110302 (EN)**

Application  
**EP 06744052 A 20060601**

Priority  

- GB 2006001991 W 20060601
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Abstract (en)  
[origin: WO2006129091A2] A stopper rod for controlling the flow of molten steel from a tundish has a metal carrier element (15a; 15b; 15c) partly received in an internal passageway (12b; 12c) of the stopper rod, the carrier element compressing sealing means (19a; 19b; 19c) between a frustoconical undersurface of a laterally enlarged portion thereof and a complementary seating surface of the stopper rod passageway, there being an insert (20; 24; 27c) threadedly engaged with one of the carrier element and stopper rod body at a position above a laterally enlarged portion of the carrier element, with further sealing means (21; 25; 25a, 25b) disposed between said insert and the carrier element. Preferably the insert is a nut (27c) screwed down onto a washer (26c) which compresses the further sealing means (25a, 25b).

IPC 8 full level  
**B22D 41/18** (2006.01)

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