

Title (en)

Apparatus for injecting fluid into a wellbore

Title (de)

Vorrichtung zur Injektion von Fluiden in ein Bohrloch

Title (fr)

Dispositif pour l'injection d'un fluide dans un trou de forage

Publication

EP 0722037 A2 19960717 (EN)

Application

EP 96300274 A 19960112

Priority

- US 37254695 A 19950113
- US 55519395 A 19951108

Abstract (en)

An apparatus for injecting fluid into a wellbore. The apparatus comprises a housing (12) and a valve sleeve (50). The housing (12) has a chamber (36) and a port (30) in communication with the chamber (36). The chamber (36) is adapted to hold a first fluid, such as a cement accelerant, therein. The valve sleeve (50) serves to open the port (30) so that the fluid first fluid is free to flow out of the chamber (36) through the port (30) in response to the flow of a second fluid, such as cement. A portion of the valve sleeve (50) extends below the housing (12) so that when the valve sleeve (50) engages a surface therebelow, the valve sleeve (50) is forced upwardly to open the port (30). The housing (12) and/or the valve sleeve (50) may be made of a on-metallic material in order to facilitate drilling of the apparatus. <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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Cited by

US11578542B2; EP2128378A1; FR2772826A1; US6533036B1; CN109469479A; US7493956B2; US6341654B1; WO9934093A1; WO2007109489A3; WO0063524A1; EP0801704B1

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