

Title (en)

Injection head for injecting consolidating pressurized fluid mixtures into the ground

Title (de)

Einspritzkopf zum Einspritzen konsolidierender unter Druck stehender Flüssiggemische in den Boden

Title (fr)

Tête d'injection pour l'injection de mélanges de fluide pressurisés de consolidation dans le sol

Publication

EP 2463443 B1 20140521 (EN)

Application

EP 11193013 A 20111212

Priority

IT TO20100988 A 20101213

Abstract (en)

[origin: EP2463443A1] The injection head (10) includes a cylindrical outer body (12) defining a central, longitudinal axis (z) with an upper inlet (13) for receiving fluids from a string of tubular rods. One or more helical ducts (20a, 20b) impart to the fluids a helical motion around the axis (z) towards respective outlet side nozzles (11). Respective gradually downwardly tapered duct sections (17a, 17b) are interposed between the upper inlet (13) and the helical ducts (20a, 20b). The tapered ducts (17a, 17b) have straight geometric axes and are connected to the respective helical ducts at locations (19a, 19b) axially offset from the central axis (z) and near the periphery of the body (12).

IPC 8 full level

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CPC (source: EP)

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Cited by

US9896894B2; WO2014067590A1

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