

Title (en)

METHOD FOR PRODUCING A VISCOSIFIED WATER FOR INJECTING IN A WELL, RELATED PROCESS AND EQUIPMENT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES VISKOSIFIZIERTEN WASSERS ZUR INJEKTION IN EIN BOHRLOCH, ZUGEHÖRIGES VERFAHREN UND VORRICHTUNG

Title (fr)

PROCÉDÉ DE PRODUCTION D'EAU VISCOSIFIÉE POUR INJECTION DANS UN PUIT, PROCÉDÉ ET ÉQUIPEMENT ASSOCIÉS

Publication

EP 4157962 A1 20230405 (EN)

Application

EP 20743229 A 20200527

Priority

IB 2020000533 W 20200527

Abstract (en)

[origin: WO2021240198A1] The method comprises: - feeding solid polymer particles and water to a dynamic mixer (56) having a rotor; - wetting and at least partially dissolving the solid polymer particles in water in the dynamic mixer (56) to produce a mother solution; - agitating the mother solution in at least two successive tanks (80, 84, 86) to obtain a matured mother solution; - diluting the matured mother solution with water to obtain the viscified water; Water fed to the dynamic mixer (56) is a low salinity water having a salinity smaller than 3 g/l, the mother solution produced in the dynamic mixer having a temperature greater than 40°C, and a polymer concentration greater than 15 g/L, in particular greater than 19 g/L.

IPC 8 full level

C08J 3/05 (2006.01); **C09K 8/588** (2006.01); **E21B 43/16** (2006.01)

CPC (source: EP)

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Citation (search report)

See references of WO 2021240198A1

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