

Title (en)
SAND SCREEN ASSEMBLIES FOR A SUBTERRANEAN WELLBORE

Title (de)
SANDSIEBANORDNUNGEN FÜR EIN UNTERIRDISCHES BOHRLOCH

Title (fr)
ENSEMBLES TAMIS À SABLE POUR UN Puits DE FORAGE SOUTERRAIN

Publication
EP 4172463 A1 20230503 (EN)

Application
EP 21745488 A 20210618

Priority
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Abstract (en)
[origin: WO2021262553A1] A sand screen assembly for a subterranean wellbore includes a base pipe having a central axis and including a flow port extending radially therethrough. The sand screen assembly also includes a screen element disposed about the base pipe and radially spaced from the base pipe to define an annulus radially positioned between the screen element and the base pipe. In addition, the sand screen assembly includes a manifold formed about the based pipe. The flow port is in fluid communication with the manifold and axially overlaps with the manifold. Further, the sand screen assembly includes a phase change material disposed within the manifold. The phase change material is configured to melt at a temperature below a melting temperature of the base pipe and flow into the flow port.

IPC 8 full level
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