

Title (en)
SYSTEMS AND METHODS FOR STARTING, RESTARTING, MONITORING AND INCREASING PERFORMANCE OF A PRODUCTION AND/OR INJECTION SYSTEM

Title (de)
SYSTEME UND VERFAHREN ZUM STARTEN, ERNEUTEN STARTEN, ÜBERWACHEN UND STEIGERN DER LEISTUNG EINES HERSTELLUNGS- UND/ODER INJEKTIONSSYSTEMS

Title (fr)
SYSTÈMES ET PROCÉDÉS DE DÉMARRAGE, REDÉMARRAGE, DE SURVEILLANCE ET D'AMÉLIORATION DES PERFORMANCES DE PRODUCTION ET/OU SYSTÈME D'INJECTION

Publication
EP 3336303 A2 20180620 (EN)

Application
EP 17207246 A 20171214

Priority
US 201615381368 A 20161216

Abstract (en)
A system (10) includes a distributed control system (20) and a subsea tree (56) that includes subsea tree chokes (136) and a subsea control module (38) communicatively coupled to flow control valves (126). The distributed control system (20) communicatively couples to the subsea control module (38), is located at a surface level, and includes processors (27) that send a first instruction to the flow control valves (126) to adjust hydrocarbon production flow when water or gas cut is above a threshold. The processors (27) also send a second instruction to the subsea tree chokes to adjust the flow of the production when a quality of commingling of the production flow with additional production flows is less than a threshold, an arrival pressure is less than a threshold, or an arrival flow rate is less than a threshold. The processors further continue the production of the fluids with current settings when a production rate is above a production rate threshold.

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Cited by
CN109240186A; CN111075411A; US2020295545A1; US11220905B2; US11333010B2; US12015254B2; WO2019064008A1; US11414954B2; WO2021231756A1

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