

Title (en)  
METHOD FOR ABANDONING WELLBORES

Title (de)  
VERFAHREN ZUM AUFLASSEN VON BOHRLÖCHERN

Title (fr)  
PROCÉDÉ SERVANT À ABANDONNER DES PUITS DE FORAGE

Publication  
**EP 3990747 A1 20220504 (EN)**

Application  
**EP 19765548 A 20190625**

Priority  
IB 2019055355 W 20190625

Abstract (en)  
[origin: WO2020260928A1] A method of abandoning a wellbore can include obtaining a first sample data set within a wellbore, wherein the first sample data set is a sample of an acoustic signal originating within the wellbore; determining a plurality of frequency domain features of the first sample data set; identifying a fluid flow location within the wellbore using the first plurality of frequency domain features; setting a barrier (130A, 131A, 130B, 131B, 130C) at or above the fluid flow location; obtaining a second sample data set above the barrier, wherein the second sample data set is a sample of an acoustic signal originating within the wellbore above the barrier; determining a second plurality of frequency domain features of the second sample data set; and identifying that a fluid flow rate or flow mechanism at the fluid flow location has been reduced or eliminated and/or identifying another fluid flow location using the second plurality of frequency domain features.

IPC 8 full level  
**E21B 47/10** (2012.01)

CPC (source: EP US)  
**E21B 47/107** (2020.05 - EP US)

Citation (search report)  
See references of WO 2020260928A1

Designated contracting state (EPC)  
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Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2020260928 A1 20201230**; CA 3145162 A1 20201230; EP 3990747 A1 20220504; US 2022251943 A1 20220811

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**IB 2019055355 W 20190625**; CA 3145162 A 20190625; EP 19765548 A 20190625; US 201917618433 A 20190625