US009410413B2

(12) **United States Patent**
O'Brien

(10) **Patent No.: US 9,410,413 B2**
(45) **Date of Patent: Aug. 9, 2016**

(54) **WELL SYSTEM WITH ANNULAR SPACE AROUND CASING FOR A TREATMENT OPERATION**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 193 days.

(21) Appl. No.: **14/057,217**

(22) Filed: **Oct. 18, 2013**

(65) **Prior Publication Data**

US 2015/0107836 A1 Apr. 23, 2015

(51) **Int. Cl.**

E21B 43/267	(2006.01)
E21B 43/11	(2006.01)
E21B 43/26	(2006.01)
E21B 43/10	(2006.01)

(52) **U.S. Cl.**

CPC ***E21B 43/261*** (2013.01); ***E21B 43/10*** (2013.01); ***E21B 43/11*** (2013.01); *E21B 43/267* (2013.01)

(58) **Field of Classification Search**

CPC E21B 43/261; E21B 43/10; E21B 43/11; E21B 43/267

See application file for complete search history.

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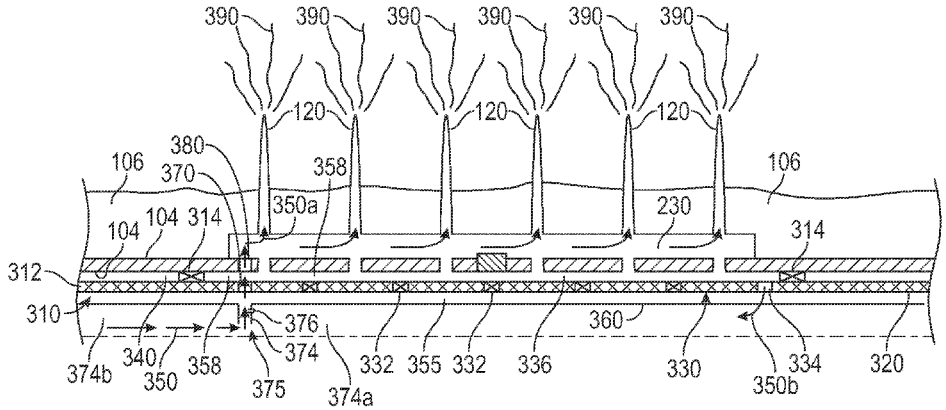
(57) **ABSTRACT**

In one aspect, a method for completing a wellbore in a formation is disclosed, that in one non-limiting embodiment includes placing a casing in the wellbore, cementing an annulus between the casing and the wellbore, and forming an annular cavity of a selected length in the cement between the casing and the wellbore. In one aspect, the forming the annular space includes placing a dissolvable material on an outside of the casing before placing the casing in the wellbore, and dissolving the dissolvable material after cementing to form the annular space.

15 Claims, 2 Drawing Sheets