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TX 77478 (US). **DEEG, Wolfgang** [US/US]; 14555 Wunderlich, Apartment 3503, Houston, Texas 77069 (US). **DEL PAGGIO, Alan** [—/US]; Houston, Texas (US). **DIAZ, Zaida** [—/US]; Houston, TX (US). **FAIRBANKS, Michael, David** [US/US]; Katy, Texas 77494 (US). **FOWLER, Thomas David** [—/US]; Houston, Texas (US). **GINESTRA, Jean-Charles** [—/US]; Richmond, TX (US). **HAMILTON, Paul Taylor** [—/US]; Houston, Texas (US). **HARRIS, Christopher Kelvin** [—/US]; Houston, Texas (US). **HIRSHBLOND, Stephen Palmer** [US/US]; Houston, TX (US). **JOHN, Randy**; .. **KELTNER, Thomas J.** [US/US]; 19139 Candle Trail, Spring, Texas 77388 (US). **KIM, Dong-Sub** [US/US]; 3418 Mimosa Way, Sugar Land, Texas 77479 (US). **LAMBRITH, Gene**; Richard, TX (US). **MASON, Stanley Leroy** [US/US]; 2014 Huntcliffe Ct., Allen, Texas 75013 (US). **MCKINZIE, Billy, John, II**; 11907 Kemp Hollow Lane, Houston, TX 77043 (US). **MENOTTI, James, L.** [US/US]; 1810 Caroline, Dickinson, TX 77539 (US). **MILLER, David Scott**; .. **NAIR, Vijay**; .. **ROES, Guus**; .. **SANDBERG, Chester, Ledlie**; Palo Alto, CA 94303 (US). **SCHOEBER, Willem** [—/US]; Houston, Texas (US). **STEGEMEIER, George Leo** [US/US]; 5819 Queensloch Drive, Houston, Texas 77096 (US). **WATKINS, Ronnie, Wade** [US/US]; Cypress,

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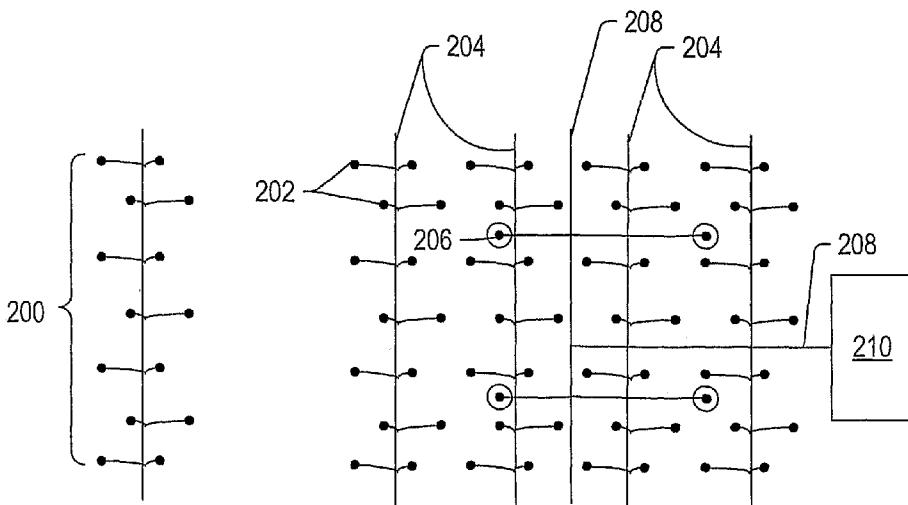
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(71) Applicant (for all designated States except US): **Shell Internationale Research Maatschappij B.V.** [NL/NL]; Carel van Bylandtlaan 30, NL-2596 HR463, THE HAGUE, The Netherlands (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **VINEGAR, Harold J.** [US/US]; 4613 Laurel, Bellaire, Texas 77401 (US). **BASS, Ronald, Marshall** [US/US]; 2028 Driscoll Street, Houston, Texas 77019 (US). **CARL, Frederick, Gordon**; 8406 Edgemoor, Houston, TX 77036 (US). **COWAN, Kenneth** [US/US]; 14211 Lake Trail Drive, Sugar Land,

(54) Title: SYSTEMS, METHODS, AND PROCESSES FOR USE IN TREATING SUBSURFACE FORMATIONS



**FIG. 2**

(57) Abstract: Systems, methods, and/or heaters for treating subsurface formations are described. Some systems and methods generally relate to heaters and heating systems for subsurface formations. Some systems and methods generally relate to novel components used for these heaters and heating systems. Some systems and methods generally relate to barriers and components associated with barriers used in treating subsurface formations. Some systems and methods generally relate to production wells and novel components for producing fluids from subsurface formations.

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TX 77429 (US). **WONG, Sau-wai**; .. **XIE, Xueying** [—/US]; Houston, Texas 77030 (US). **COIT, William George** [—/US]; Bellaire, Texas 77401 (US). **GRIFFIN, Peter, Terry** [—/GB]; Devon (GB). **SAMUEL, Allan, James** [—/MY]; Kuala Lumpur (MY). **BAKER, Ralph, S.** [US/US]; Groton, Massachusetts (US). **ABBASI, Farhang** [US/US]; 16410 Leedswell Lane, Houston, Texas 77084 (US). **BOND, Wim M** [NL/NL]; Badhuisweg 3, NL-1031 CM Amsterdam (NL). **DE ROUFFIGNAC, Eric Pierre** [US/US]; 4040 Ruskin Street, Houston, Texas 77005 (US). **DEN BOESTERT, Johannes Leendert Willem Cornelis** [NL/NL]; Badhuisweg 3, NL-1031 CM Amsterdam (NL). **FARMAYAN, Walter** [US/US]; 8940 Tuffiff, Houston, TX 77055 (US). **GILES, Steven, Paul** [US/US]; 21937 Rycade School Road, Damon, TX 77430 (US). **BRIGNAC, Joseph P. Jr.** [US/US]; 2714 Kittan Sett Circle, Katy, TX 77450 (US). **GOEL, Naval**; .. **HERRON, Gorem**; .. **KARANIKAS, John, M.** [GR/US]; 4655 Wild Indigo Street, Apartment 302, Houston, TX 77027 (US). **LI, Ruijian** [CN/US]; 21306 WILLOWFORD PARK DRIVE, Katy, TX 77450 (US). **MAZIASZ, Phillip James** [US/US]; Oak Ridge, TN (US). **MINDERHOUD, Johannes Kornelis** [NL/NL]; BADHUISWEG 3, NL-1031 CM Amsterdam (NL). **MO, Weijian** [US/US]; 719 Winston Lane, Sugar Land, Texas 77479 (US). **MUYLLE, Michel Serge Marie** [BE/US]; 4000 ESSEX LANE APT. 6302, Houston, TX 77027 (US). **MUNSHI, Abdul Wahid** [US/US]; 12635 S. Dairy Ashford, Houston, Texas 77099 (US). **NELSON, Richarg Gene** [US/US]; 21423 Granton, Drive, Katy, TX 77450 (US). **MANDEMA, Remco Hugo** [NL/US]; 13746 TRAILVILLE DRIVE, Houston, TX 77077 (US). **RYAN Robert Charles** [US/US]; 214 Cove Creek, Houston, Texas 77042 (US). **PINGO-ALMANDA, Monica M.**; .. **SANTELLA, Michael, L.** [US/US]; Knoxville, TN 37931 (US). **SCHOELING, Lanny Gene** [US/US]; 2006 EMERALD LOFT CIRCLE,

Katy, TX 77450 (US). **SHINGLEDECKER, John, Paul** [US/US]; Knoxville, TN 37923 (US). **SIDDOWAY, Mark Alan** [US/US]; 2215 Monona Drive, Katy, TX 77494 (US). **SIKKA, Vinod, K.** [—/US]; Oak Ridge, TN 37830 (US). **VITEK, John Michael** [US/US]; 866 West Outer Drive, Oak Ridge, Tennessee 37830 (US).

(74) **Agent:** **CHRISTENSEN, Del, S.**; SHELL OIL COMPANY, ONE SHELL PLAZA, P.O. Box 2463, Houston, Texas 77252-2463 (US).

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USPC: 166/302  
According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
U.S. : 166/302

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 20040211569A1 (VINEGAR, et al.) 28 October 2004 (28.10.2004)	1088-1112,1114-1154

<input type="checkbox"/>	Further documents are listed in the continuation of Box C.	<input type="checkbox"/>	See patent family annex.
*	Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A"	document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E"	earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O"	document referring to an oral disclosure, use, exhibition or other means		
"P"	document published prior to the international filing date but later than the priority date claimed		

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Mail Stop PCT, Attn: ISA/US  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Faxsimile No. (571) 273-3201

Authorized officer

John Kreck   
Telephone No. (571)272-4177

**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US06/40971

**Continuation of Box II Reason2:**

PCT Article 6 states that "Claims shall be clear and concise." The above identified claims do not meet this requirement, even assuming for the sake of argument that the individual claims are clear and concise in themselves, because the lack of clarity of the claims as a whole arises from the lack of conciseness. Applicant has selected claims 1088-1112 and 1114-1154 for examination in the letter dated 20 September 2007.