#### PATENT COOPERATION TREATY

TRANSLATION From the INTERNATIONAL SEARCHING AUTHORITY To: WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) See form PCT/ISA/210 Date of mailing (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION 2007P01462WO See paragraph 2 below International application No. International filing date (day/month/year) Priority date (day/month/year) 16.02.2007 PCT/EP2008/051282 01.02.2008 International Patent Classification (IPC) or both national classification and IPC E21B43/24 Applicant SIEMENS AKTIENGESELLSCHAFT This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Priority Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Name and mailing address of the ISA/EP Date of completion of this opinion Authorized officer Facsimile No. Telephone No.

International application No.

PCT/EP2008/051282

Box	No. I	Basis of this opinion
1.	With	regard to the language, this opinion has been established on the basis of:
	$\boxtimes$	the international application in the language in which it was filed
		a translation of the international application into, which is the language of a
		translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2.		This opinion has been established taking into account the <b>rectification of an obvious mistake</b> authorized by or notified to this Authority under Rule 91 (Rule 43bis.1(a))
3.		a regard to any <b>nucleotide and/or amino acid sequence</b> disclosed in the international application and necessary to the claimed ntion, this opinion has been established on the basis of:
	a.	type of material
		a sequence listing
		table(s) related to the sequence listing
	b.	format of material
		on paper
		in electronic form
	c.	time of filing/furnishing
		contained in the international application as filed
		filed together with the international application in electronic form
		furnished subsequently to this Authority for the purposes of search
4.		In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5.	Addi	itional comments:

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Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
1.	Stateme	ent	•			
	Nov	elty (N)	Claims	1-18	_ YES	
			Claims		NO	
	Inve	entive step (IS	Claims	1-18	YES	
			Claims		NO	
	Indu	ıstrial applica	ility (IA) Claims	1-18	YES	
			Claims			
2.	Citation	ns and explana	ions:			
	1.	Refe	ence is made	e to the following documents:		
		D1:	42 38 247 7	A1 (SHELL INT RESEARCH [NL]) 19 May		
			1993 (1993-	-05-19)		
		D2:	GATES I. ET	F AL: "Steam Injection Strategy and		
			Energetics	of Steam-Assisted Gravity Drainage"		
			SPE INTERNA	ATIONAL THERMAL OPERATIONS AND HEAVY		
			OIL SYMPOSI	IUM HELD IN CALGARY, ALBERTA,		
			CANADA, 13	NOVEMBER, No. Paper SPE/PS-CIM/CHOA		
			97742, 1 No	ovember 2005 (2005-11-01), pages		
			278-296, XI	2009101150		
		D3:	US 4 456 06	55 A (HEIM WERNER [CH] ET AL) 26		
			June 1984	(1984-06-26)		
		D4:	US 6 285 01	l4 B1 (BECK THOMAS [US] ET AL) 4		
			September 2	2001 (2001-09-04)		
	2. Document D1 is considered to be the closest prior					
	_ •			s (the references between		
				te to said document):		
		1		on borehole (9) and a feed borehole		
			_	e 1). The injection and feed		
				both have hot steam applied to them		
				eating phase (column 1, lines 19-		
			22). After	the end of the heating phase,		

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during the production phase, only the injection borehole still has hot steam applied to it (column 1, lines 23-28).

Claim 1 differs from D1 in that:

the "injection pipeline is additionally in the form of induction heating with respect to its environment in the depot" and "in addition, the environment of the active area on the injection pipeline is heated by means of induction heating".

2.1 The subject matter of claim 1 is therefore novel (PCT Article 33(2)).

The problem addressed by the present invention can therefore be considered that of:

improving the overall energy balance for feeding the substance which contains hydrocarbon.

2.2 The solution to this problem, as proposed in claim 1 of the present application, involves an inventive step (PCT Article 33(3)), for the following reasons:

D1 does not indicate that the hot steam heating can be assisted by a further, different type of heating. D2 describes a similar method to that in D1, also without any indication of induction heating.

D3 describes a heating and production phase in which hot steam is applied to the injection

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pipeline (6), which is additionally assisted by a radio-frequency heating appliance (column 6, lines 23-26 and 55-59). In contrast to claim 1, the production pipeline (7) from D3 does not have hot steam applied to it, but a cool solvent (column 7, lines 40-42 and 47-48).

It is therefore not obvious to a person skilled in the art either to change the method from D3 and to use hot steam to heat the production pipeline instead of applying cool solvent to it, or to improve the method described in D1 or D2 by a further type of heating.

The same conclusion also applies to independent claim 3.

3. Dependent claims 2 and 4 to 18 likewise satisfy the criterion of inventive step (PCT Article 33(3)).

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Box No. VII Certain defects in the international application

The following defects in the form or contents of the international application have been noted:					
1.	The independent claims have not been drafted in the				
	correct two-part form (PCT Rule 6.3(b)).				
2.	Contrary to the requirements of PCT Rule $5.1(a)(ii)$ ,				
	the description does not cite documents D1, D3 or				
	indicate the relevant prior art disclosed therein.				