

Title (en)  
PIPE ARRANGEMENT

Title (de)  
ROHRANORDNUNG

Title (fr)  
AGENCEMENT DE TUYAUX

Publication  
**EP 2084465 A1 20090805 (DE)**

Application  
**EP 08734670 A 20080319**

Priority  
• EP 2008002194 W 20080319  
• DE 202007004346 U 20070321

Abstract (en)  
[origin: WO2008113569A1] The pipe arrangement for geothermal probes according to this invention comprises at least two pipes (1, 2), having at least one layer surrounding a lumen (3), wherein one of the pipes (1, 2) serves as the feed, and the other serves as the return, and at least one of the pipes (1, 2) is made at least partially of an non-crosslinked polymer material, and is characterized in that the polymer material of the at least one layer of the pipes (1, 2) has an FNCT (fill notched creep test) value according to ISO 16770 of at least 3000h.

IPC 8 full level  
**F16L 9/12** (2006.01); **F24J 3/08** (2006.01)

CPC (source: EP US)  
**F24T 10/15** (2018.04 - EP US); **F28F 21/062** (2013.01 - EP US); **F28F 2225/04** (2013.01 - EP US); **F28F 2255/00** (2013.01 - EP US); **Y02E 10/10** (2013.01 - EP US)

Citation (search report)  
See references of WO 2008113569A1

Citation (examination)  
DE 29906998 U1 19990701 - WAVIN BV [NL]

Citation (third parties)  
Third party :  
• EP 1036974 A1 20000920 - HAKA GERODUR AG [CH]  
• DE 20010111 U1 20011031 - WAVIN BV [NL]  
• VERSAPIPE HD: "Polyethylene pipes - High density. Manufactured from PE3408 high density polyethylene as per CSA C.448", SPECIFICATION SHEET, 24 April 2006 (2006-04-24), pages 1 - 2, XP003028649  
• "PolyPipe(R) EHMW PE3408/PE3608 Pipe", DATENBLATT, February 2006 (2006-02-01), pages 1 - 4, XP003028650  
• TOTAL PETROCHEMICALS RESEARCH: "PE-Werkstoff PE 100 konigsblau fur Druckrohre und- Formstucke vom Typ HDPE XSC 50 Blue", ZERTIFIKAT DER DIN CERTO GESELLSCHAFT FUR KONFORMITATSBEWERTUNG MBH, 17 December 2004 (2004-12-17), pages 1, XP003028651  
• "Total Petrochemicals: High-density polyethylene", TECHNICAL DATA SHEET "HDPE XSC 50 BLUE" PE 100 HIGH PROTECTION, January 2005 (2005-01-01), pages 1 - 2, XP003028652

Cited by  
WO2009053033A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**DE 202007004346 U1 20071031**; **DE 202007004346 U9 20080424**; DE 202008016917 U1 20090305; EA 022199 B1 20151130; EA 200970876 A1 20100430; EP 2084465 A1 20090805; US 2008236784 A1 20081002; US 8167027 B2 20120501; WO 2008113569 A1 20080925

DOCDB simple family (application)  
**DE 202007004346 U 20070321**; DE 202008016917 U 20080319; EA 200970876 A 20080319; EP 08734670 A 20080319; EP 2008002194 W 20080319; US 7676708 A 20080321