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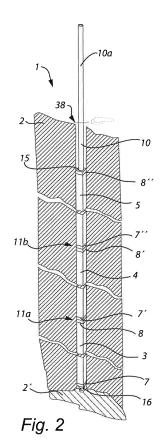
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(54) A pile for deep foundation and method for providing a pile

(57) The present invention relates to a pile for deep foundation piling, which pile is driven or arranged to be driven into the ground, the pile comprising an upper concrete pile section comprising an upper axial end provided with an upper drive-fit connection member arranged for cooperation with a tube member, such as a steel tube or pipe, having a predetermined radial dimension, and a final upper pile section formed of a tube, such as a steel tube or pipe, having the predetermined radial dimension, wherein a lower axial end of the final upper pile section is attached by drive-fit cooperation with the upper drive-fit connection member of the upper concrete pile section.

The present invention also relates to a method for manufacturing a pile for deep foundation piling.





EUROPEAN SEARCH REPORT

Application Number EP 13 16 0418

Category	Citation of document with i of relevant pass	ndication, where appropriate, ages		Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)	
A,D	GB 2 172 038 A (ROX 10 September 1986 of the whole document	(1986-09-10)	1-1	4	INV. E02D5/52	
Α	GB 2 280 466 A (RO) 1 February 1995 (19 * the whole documer	995-02-01)	1-1	4		
Α	US 4 009 550 A (YOU 1 March 1977 (1977- * abstract; figures	-03-01)	1-1	4		
					TECHNICAL FIELDS SEARCHED (IPC) E02D	
	The present search report has	·				
	Place of search	Date of completion of the			Examiner	
	Munich	17 June 201	4	Fri	edrich, Albert	
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document		E : earlier p after the her D : docume L : docume	T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document oited for other reasons 8: member of the same patent family, corresponding			

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 13 16 0418

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent family

Publication

17-06-2014

Publication

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Patent document

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FORM P0459

	ratent document ed in search report		date		member(s)	date
GB	2172038	Α	10-09-1986	NONE		
GB		Α	01-02-1995	NONE		
		A	01-03-1977	CA ES US ZA	1009856 A1 472627 A3 4009550 A 7507432 A	10-05-197 16-02-197 01-03-197 24-11-197

 $\stackrel{\bigcirc}{\mathbb{H}}$ For more details about this annex : see Official Journal of the European Patent Office, No. 12/82