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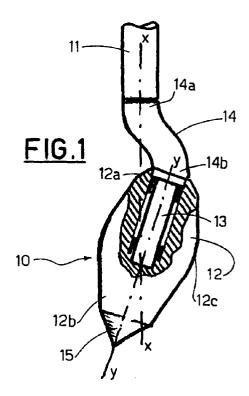
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(54)A tool and method of boring and filling the borehole with concrete without removing soil therefrom

A boring tool (10), particularly for use in concrete foundation pile construction, adapted for mounting to the lower end of a rod string (11) rotating about its longitudinal axis (x) and advancing along this axis. The boring tool comprises a roller (12) idly mounted with respect to the rods (11) and rotatable about an axis (y) inclined with respect to the longitudinal axis (x). The roller (12) has end portions (12a, 12b) located on opposite sides with respect to axis (x). The lower end portion (12b) of the roller (12) is fitted with a cutting bit (15) for disgregating soil. The roller has a fuse-like side surface and tapered upper (12a) and lower (12b) end portions, and a larger median portion (12c).





EUROPEAN SEARCH REPORT

Application Number EP 95 10 0599

Category	Citation of document with indicate of relevant passage		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Χ	US-A-2 168 640 (ABEGG) * figures 2,4 *		1	E21B10/08 E02D5/36
Х	EP-A-0 044 817 (TREYVA * page 4, line 30 - pa 1 *		1,2	E21B7/26 E21B33/13 E21B10/20
Х	US-A-4 154 312 (BARNET * figure 2 *	- CHE)	1,2	
Α	JP-A-60 016 614 (NIHON	CONCRETE K.K.)	12	
				TECHNICAL FIELDS
				SEARCHED (Int.Cl.6) E218 E02D
	The present search report has been di	rawn up for all claims		
Place of search		Date of completion of the search		Examiner
	THE HAGUE	28 February 1996	Ram	pelmann, K
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		E : earlier patent door after the filing da D : document cited in L : document cited for	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 cited for other reasons	
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