

Title (en)

Method and device for measuring nozzle beams underground

Title (de)

Vorrichtung und Verfahren zum Vermessen von Düsenstrahlsäulen im Untergrund

Title (fr)

Dispositif et procédé de mesure de colonnes de sortie de tuyères en sous-sol

Publication

EP 2543770 B1 20140122 (DE)

Application

EP 11172830 A 20110706

Priority

EP 11172830 A 20110706

Abstract (en)

[origin: EP2543770A1] The measuring device (14) comprises probe element (40) which is movable from a retracted position to an extended position and is being deflectable inside the hollow structure of device. The probe element is deflected within the measuring device. The probe element partially consists of a shape memory alloy. An independent claim is included for method for measuring jet grouting pile carried out after introduction of drilling and grouting linkage assembly into subsoil.

IPC 8 full level

E02D 3/12 (2006.01); **E02D 5/46** (2006.01); **E02D 33/00** (2006.01)

CPC (source: EP US)

E02D 3/12 (2013.01 - EP US); **E02D 5/46** (2013.01 - EP US); **E02D 33/00** (2013.01 - EP US); **E21B 7/18** (2013.01 - EP US)

Cited by

DE102013205319A1; DE102017211457A1; CN113216174A; CN104420831A; DE102013205765A1; DE102013205765B4; DE102011082658A1; DE102017211457B4

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