

Title (en)
A core sampling apparatus

Title (de)
Entnahmegerät für Bohrkern

Title (fr)
Dispositif pour l'extraction de carottages

Publication
EP 2354438 A1 20110810 (EN)

Application
EP 10196252 A 20101221

Priority
IT FI20090276 A 20091229

Abstract (en)
A core sampling apparatus (1) comprises a core sampler (2) and a frame (3) adapted to support said sampler (2), said frame (3) comprising a base (3a), a first mobile portion (3c) of the frame (3) being linked to said base (3a) by way of a plurality of linear actuators (4) arranged thereon. The core sampling apparatus also comprises a second mobile portion (3d) adapted to support the sampler (2) and slidable with respect to the first mobile portion (3c) by way of a pulley and rope system (5a, 5b, 6a, 6b), in which said pulleys (5a, 5b) are connected to the first mobile portion (3c) and said ropes (6a, 6b) are respectively connected at an end to the upper and lower ends of the second mobile portion (3d) and at the opposite end to the fixed portion of the frame (3) winding around the pulleys (5a, 5b). Thanks to this configuration, the core sampling apparatus has a very small bulk in a vertical direction substantially facilitating transportation and movement operations.

IPC 8 full level
E21B 25/18 (2006.01)

CPC (source: EP)
E21B 7/124 (2013.01); **E21B 25/18** (2013.01)

Citation (applicant)
EP 1564368 A2 20050817 - BACCHELLI ALESSANDRO [IT]

Citation (search report)
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• [A] US 3442339 A 19690506 - WILLIAMSON THOMAS N
• [A] US 4043407 A 19770823 - WILKINS JOHN WILLIAM [GB]
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Designated contracting state (EPC)
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