

Title (en)  
FORMATION SAMPLING APPARATUS

Publication  
**EP 0126680 A3 19860604 (EN)**

Application  
**EP 84400946 A 19840509**

Priority  
US 49528383 A 19830516

Abstract (en)  
[origin: EP0126680A2] An apparatus and method for taking fluid samples from earth formations surrounding a borehole while minimizing the erosion of the formations which occurs during such sample-taking, in which a specialized tool is brought into communication with the desired formation and the fluid pressure which exists within the formation prior to taking a sample is used to restrict the flow of fluids into the tool. This restriction is however opposed with a pre-determined biasing force in combination with the dynamic fluid pressure during the sample-taking process. These opposing forces control the rate of flow of formation fluids into the tool in a manner diminishing the erosion which occurs.

IPC 1-7  
**E21B 49/10**

IPC 8 full level  
**E21B 49/10** (2006.01)

CPC (source: EP)  
**E21B 49/10** (2013.01)

Citation (search report)  
• [AD] US 3530933 A 19700929 - WHITTEN FRANK R  
• [A] US 3104712 A 19630924

Cited by  
EP0698722A3

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**EP 0126680 A2 19841128; EP 0126680 A3 19860604; EP 0126680 B1 19880817;** AU 2802684 A 19841122; AU 570462 B2 19880317; BR 8402274 A 19841226; CA 1227418 A 19870929; DE 3473490 D1 19880922; DK 242384 A 19841117; DK 242384 D0 19840516; NO 841934 L 19841119; OA 07772 A 19850830

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**EP 84400946 A 19840509;** AU 2802684 A 19840515; BR 8402274 A 19841116; CA 454313 A 19840515; DE 3473490 T 19840509; DK 242384 A 19840516; NO 841934 A 19840515; OA 58298 A 19840516