

Title (en)  
Downhole safety valve.

Title (de)  
Sicherheitsventil im Bohrlock.

Title (fr)  
Vanne de sécurité de fond de puits.

Publication  
**EP 0634560 A1 19950118 (EN)**

Application  
**EP 93305446 A 19930712**

Priority  
EP 93305446 A 19930712

Abstract (en)  
A downhole safety valve for retrofitting to a well comprises an annular member (4) to be built into the wellhead, a closure valve (28) to be set in a tubing string (27) just below the wellhead, and a piston (15) reciprocable in the annular member and having a depending rigid tubular stinger (26) for operating the valve. <IMAGE>

IPC 1-7  
**E21B 34/14**; **E21B 34/10**; **E21B 34/02**

IPC 8 full level  
**E21B 34/02** (2006.01); **E21B 34/10** (2006.01); **E21B 34/14** (2006.01)

CPC (source: EP US)  
**E21B 34/10** (2013.01 - EP); **E21B 34/14** (2013.01 - EP US); **E21B 34/02** (2013.01 - EP US)

Citation (search report)  
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Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 0634560 A1 19950118**; CA 2117296 A1 19950113

DOCDB simple family (application)  
**EP 93305446 A 19930712**; CA 2117296 A 19940526