

Title (en)  
Centrifugal pump.

Title (de)  
Zentrifugalpumpe.

Title (fr)  
Pompe centrifuge.

Publication  
**EP 0079433 A1 19830525 (EN)**

Application  
**EP 82107809 A 19820825**

Priority  
JP 18226181 A 19811116

Abstract (en)  
In a centrifugal pump including a pump runner, (1), and a casing (3) enclosing an outlet port (5) of the pump runner and forming a volute chamber (6) around the pump runner, at least one deflecting wall (11, 13, 14, 15) is provided for causing a fluid flux returning along an inner wall surface of the volute chamber toward the outlet port of the pump runner to be deflected so as to avoid production therein of a velocity component flowing in counter current to a fluid flux discharged through the outlet port of the pump runner. The provision of at least one deflecting wall enables a smooth flow of fluid to be obtained in the vicinity of the outlet port of the pump runner.

IPC 1-7  
**F04D 29/42**; **F04D 29/44**

IPC 8 full level  
**F04D 29/42** (2006.01); **F04D 29/44** (2006.01)

CPC (source: EP KR)  
**F04D 29/428** (2013.01 - EP); **F04D 29/44** (2013.01 - KR); **F04D 29/445** (2013.01 - EP)

Citation (search report)  
[X] CH 428444 A 19670115 - VOLLAND GEORG DR ING [DE], et al

Cited by  
GB2250059A; GB2226364A; GB2226364B

Designated contracting state (EPC)  
DE GB IT

DOCDB simple family (publication)  
**EP 0079433 A1 19830525**; **EP 0079433 B1 19880107**; DE 3277927 D1 19880211; JP S5885398 A 19830521; KR 840001306 A 19840430; KR 880001488 B1 19880813

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**EP 82107809 A 19820825**; DE 3277927 T 19820825; JP 18226181 A 19811116; KR 820003904 A 19820830