

Title (en)  
Duplex centrifugal pump.

Title (de)  
Doppel-Kreiselpumpe.

Title (fr)  
Double pompe centrifuge.

Publication  
**EP 0464355 B1 19931201 (DE)**

Application  
**EP 91108395 A 19910524**

Priority  
DE 4021410 A 19900706

Abstract (en)  
[origin: EP0464355A2] The invention relates to a duplex centrifugal pump with two impellers supported in a housing and two electric motors arranged side by side in parallel, - the pump housing having a plane side wall containing the inlet and outlet, - the pump housing being fixed by this flat side wall to a second device, in particular a consuming device, - an insert being detachably enclosed in the pump housing which can be slid in through a large aperture in the flat side wall and forms the inlet and outlet as well as internal connecting ducts and - one or more shut-off elements, particularly reversing valves or non- return valves, being arranged in the insert. <IMAGE>

IPC 1-7  
**F04D 13/14**

IPC 8 full level  
**F04D 13/14** (2006.01); **F04D 15/00** (2006.01); **F04D 29/42** (2006.01)

CPC (source: EP KR US)  
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Cited by  
EP1079113A1; EP0735272A1; EP0667455A1; DE102018220150A1; USD834068S; USD839314S; USD839313S; USD839922S; US11732719B2;  
US11965512B2

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DE 59100652 D1 19940113; ES 2046823 T3 19940201; KR 920002938 A 19920228; KR 970007394 B1 19970508; US 5178520 A 19930112

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