

Title (en)  
Multipart stage housing.

Title (de)  
Mehrteiliges Stufengehäuse.

Title (fr)  
Carter d'étage en plusieurs parties.

Publication  
**EP 0588258 B1 19951122 (DE)**

Application  
**EP 93114584 A 19930910**

Priority  
DE 4230713 A 19920914

Abstract (en)  
[origin: EP0588258A1] The invention relates to a stage housing of multipart construction for use in centrifugal pumps, a flow-guiding insert (8) provided with open blade ducts being arranged in a pressure-loaded tubular annular element (2). The open ducts are covered by diaphragm-like, thin-walled elements (6, 13).

IPC 1-7  
**F04D 29/44; F04D 1/06**

IPC 8 full level  
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CPC (source: EP)  
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Cited by  
EP2143953A1; EP1028255A4; US6082960A; CN100432450C; US7632065B2; WO9708461A1; WO2005103499A1; US8376698B2

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