

Title (en)  
Centrifugal compressor.

Title (de)  
Zentrifugalkompressor.

Title (fr)  
Compresseur centrifuge.

Publication  
**EP 0138480 A2 19850424 (EN)**

Application  
**EP 84306634 A 19840928**

Priority  
US 53826083 A 19831003

Abstract (en)  
A turbocharger centrifugal compressor has a volute (12) which overlaps itself and a divider neck or tongue (40) which divides flow from the impeller (26) into upstream and downstream parts of the volute where it overlaps itself, and in order to reduce noise the neck extends to a region adjacent the outlet of the impeller, whether by being connected to the outlet end of a diffuser blade (34A) where there is a vaned diffuser between the impeller and volute or by connection across the diffuser (42) if the diffuser is a vaneless diffuser.

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

IPC 8 full level  
**F02B 39/00** (2006.01); **F04D 29/42** (2006.01); **F04D 29/44** (2006.01)

CPC (source: EP)  
**F04D 29/422** (2013.01)

Cited by  
CN106015096A; CN102562660A; EP2918790A1; CN116241508A; US10480398B2; US8545177B2; WO2015048231A1; WO2019042795A1; US9574562B2; US11078922B2; US10527059B2; US11421695B2

Designated contracting state (EPC)  
DE FR GB SE

DOCDB simple family (publication)  
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**EP 84306634 A 19840928**; JP 15772284 A 19840730