

Title (en)  
Turbocharger flow control

Title (de)  
Durchsatzregelung für einen Turbolader

Title (fr)  
Régulation du flux pour une turbosoufflante

Publication  
**EP 1304447 A1 20030423 (EN)**

Application  
**EP 01124916 A 20011019**

Priority  
EP 01124916 A 20011019

Abstract (en)  
A turbocharger for an internal combustion engine is described, which is provided in the exhaust gas flow stream and which is provided with a turbine. The effective surface of a ring aperture (6) between the exhaust gas flow channel (2) and a turbine wheel (8) is reduced via an axial valve (1) with a grating ring (13) for the braking operation of the internal combustion engine. The axial displacement of the axial valve (1) necessary therefore is achieved pneumatically using a pressure space (3) in combination with a piston (4). The total size of the turbocharger can thereby be reduced and the frictional wear of parts can be reduced. <IMAGE>

IPC 1-7  
**F01D 17/14**; F02C 6/12

IPC 8 full level  
**F01D 17/14** (2006.01); **F01D 17/16** (2006.01)

CPC (source: EP)  
**F01D 17/143** (2013.01); **F01D 17/167** (2013.01)

Citation (applicant)  
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Citation (search report)  
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DE FR GB IT NL

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