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71 Applicant: Stowarzyszenie Inżynierów i Techników  
Mechaników Polskich Zespół Ośrodków  
Rzeczoznawstwa i Postępu Technicznego "Zorpot"  
ul. Żurawia 22  
00515 Warszawa (PL)

72 Inventor: Kowalski, Alojzy  
ul. Mohna 4  
Toruń (PL)

74 Representative: Finck, Dieter et al,  
Patentanwälte v. Föner, Ebbinghaus, Finck Mariahilfplatz  
2 & 3  
D-8000 München 90 (DE)

54 A turbine for mixing a combustion mixture for spark-ignition, internal-combustion engines.

57 The subject of the invention is a turbine for mixing a combustion mixture used for spark - ignition, internal-combustion engines and composed of air or air, fuel and exhaust gas.

The turbine as per the present invention consists of a body 1 with exhaust gas and air jets and an impeller mounted therein, formed from blades 3 and bars 4 secured to hub 2 and being radially spaced thereto. In the body 1 there are nozzles 5 and 6 for supply of air and exhaust gas. Blades 3 are bent on their periphery relative to their plane.

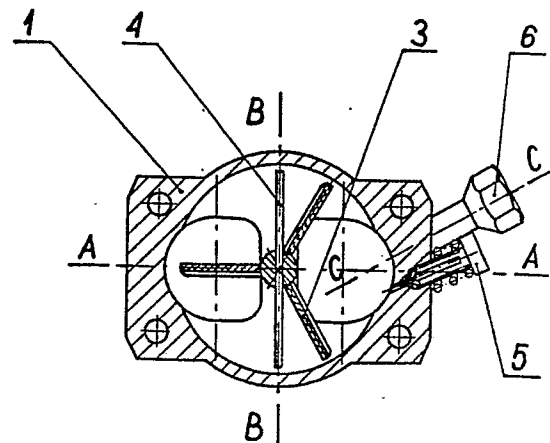


Fig.1



European Patent  
Office

# EUROPEAN SEARCH REPORT

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Application Number

EP 86 11 5470

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
A	US-A-3 421 485 (DEWITT) * Column 2, lines 15-53; figure 2 * ---	1	F 02 M 29/02
A	FR-A-1 497 807 (INPACO) * Page 1, lines 1-7,74-75; figure 3 * ---	1	
A	FR-A- 484 128 (FERRY) * Page 1, lines 17-33; page 1, line 53 - page 2, line 6; figure * ---	1	
A	FR-A-1 171 114 (ZANIN) * Page 1, lines 1-5; page 2, lines 35-46,61-81; figure 4 * ---	1-3	
A	US-A-2 004 919 (ALVEY) * Page 1, lines 21-33; figures 1-3 * -----	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			F 02 M
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 18-04-1988	Examiner LEFEBVRE L.J.F.
<b>CATEGORY OF CITED DOCUMENTS</b>			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document			