

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

SG 9701502-8



RTMP
copy

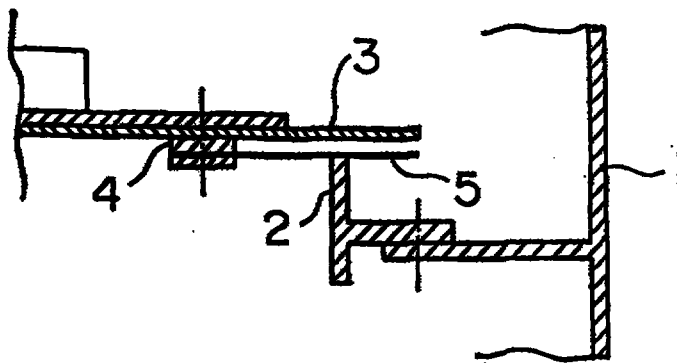
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶: F16K 1/36, 25/00	A1	(11) International Publication Number: WO 96/10144 (43) International Publication Date: 4 April 1996 (04.04.96)
(21) International Application Number: PCT/SE95/01086 (22) International Filing Date: 25 September 1995 (25.09.95) (30) Priority Data: 6-257295 28 September 1994 (28.09.94) JP (71) Applicant (for all designated States except US): ABB FLÄKT AB [SE/SE]; Sickla Allé 13, Nacka, S-120 86 Stockholm (SE). (72) Inventor; and (73) Inventor/Applicant (for US only): YAMAZAKI, Satoshi [JP/JP]; 30-10-2206, Higashi-Asagirigaoka, Akashi City, Hyogo Prefecture (JP). (74) Agents: JENKLER, Malte et al.; Asea Brown Boveri AB, Patent, Stockholm Office, S-120 86 Stockholm (SE).	(81) Designated States: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT, UA, UG, US, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, MW, SD, SZ, UG). Published <i>With international search report.</i>	

(54) Title: POPPET DAMPER IN EXHAUST GAS DUCT

(57) Abstract

The present invention provides a poppet damper, disposed in an exhaust gas duct, which makes it possible to perform an easy machining for providing a sealing surface and which provides excellent sealing following deformation caused by heat. The poppet damper includes a damper seat, disposed in a duct casing; a poppet plate for controlling exhaust gas flow by adjustment of a gap between the poppet plate and the damper seat; and an air cylinder and a damper shaft for allowing driving of the aforementioned poppet plate in a reciprocating manner. A seal plate is mounted to the poppet plate (3), which seal plate is separated by a gap of predetermined size from the poppet plate, with the seal plate placed in contact with the damper seat, when the damper is closed.



FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AT	Austria	GB	United Kingdom	MR	Mauritania
AU	Australia	GE	Georgia	MW	Malawi
BB	Barbados	GN	Guinea	NE	Niger
BE	Belgium	GR	Greece	NL	Netherlands
BF	Burkina Faso	HU	Hungary	NO	Norway
BG	Bulgaria	IE	Ireland	NZ	New Zealand
BJ	Benin	IT	Italy	PL	Poland
BR	Brazil	JP	Japan	PT	Portugal
BY	Belarus	KE	Kenya	RO	Romania
CA	Canada	KG	Kyrgyzstan	RU	Russian Federation
CF	Central African Republic	KP	Democratic People's Republic of Korea	SD	Sudan
CG	Congo	KR	Republic of Korea	SE	Sweden
CH	Switzerland	KZ	Kazakhstan	SI	Slovenia
CI	Côte d'Ivoire	LI	Liechtenstein	SK	Slovakia
CM	Cameroon	LK	Sri Lanka	SN	Senegal
CN	China	LU	Luxembourg	TD	Chad
CS	Czechoslovakia	LV	Latvia	TG	Togo
CZ	Czech Republic	MC	Monaco	TJ	Tajikistan
DE	Germany	MD	Republic of Moldova	TT	Trinidad and Tobago
DK	Denmark	MG	Madagascar	UA	Ukraine
ES	Spain	ML	Mali	US	United States of America
FI	Finland	MN	Mongolia	UZ	Uzbekistan
FR	France			VN	Viet Nam
GA	Gabon				

970 15 02 - 8