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71 Applicant: **SHARP KABUSHIKI KAISHA**
22-22 Nagaike-cho Abeno-ku
Osaka 545(JP)
Applicant: **BAXTER INTERNATIONAL INC.**
One Baxter Parkway
Deerfield, IL 60015(US)

72 Inventor: **Goi, Nobuaki**

Mikasa-ryo 335, 492, Minosho-cho
Yamatokoriyama-shi, Nara-ken(JP)
Inventor: **Tseng, Charles**
501 Rockland Avenue
Lake Bluff, Illinois(US)
Inventor: **Scola, Roberta**
760 Red Maple Lane
Roselle, Illinois(US)
Inventor: **Myren, Eric**
177 Crestview county
Barrington, Illinois(US)
Inventor: **Hamilton, Dan**
1375 rebecca Drive, Apartment 417
Hoffman Estates, Illinois(US)

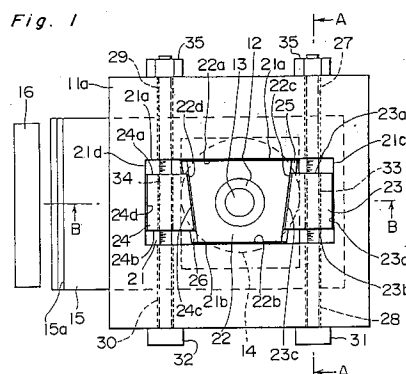
74 Representative: **TER MEER - MÜLLER -**
STEINMEISTER & PARTNER
Mauerkircherstrasse 45
W-8000 München 80(DE)

54 **Peristaltic pump assembly.**

57 A peristaltic pump assembly for pumping a fluid medium from a fluid source through a tubing (17) having a compressible pumping section, which assembly comprises a housing including at least one support wall (11a,11b); a drive shaft (13) journaled substantially loosely to the support wall; a plurality of cam plates (14) eccentrically mounted on the drive shaft in a helical pattern along the drive shaft (13) and rotatable together with the drive shaft (13) for, during a rotation of the drive shaft (13), driving finger plates (15) sequentially in a direction perpendicular to the drive shaft (13) to cause respective finger tips (15a) of the finger plates (15) to engage the pumping section thereby producing a moving zone of occlusion along the pumping section for pumping the fluid medium; and an adjustment mechanism mounted on the support wall (11a,11b) for adjustably displacing the drive shaft (13) together with the cam plates (14) and the finger plates (15) in a direction perpendicular thereto. The adjustment mechanism comprises a shaft bearing plate (22) mounted on the support wall (11a,11b) for movement in a linear direction parallel

to the direction of movement of each finger plate (15) and through which the drive shaft (13) extends rotatably, and a drive member (31,32) for adjustably moving the bearing plate (22) in the linear direction.

Fig. 1





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EUROPEAN SEARCH REPORT

Application Number

DOCUMENTS CONSIDERED TO BE RELEVANT			EP 92101014.6
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	<u>US - A - 4 954 046</u> (IRVIN) * Totality; esp. fig. 5,6A, 6B,7A,7B *	1,6	F 04 B 43/12
A	<u>US - A - 4 886 431</u> (SODERQUIST) * Totality; esp. fig. 2,3 *	1-10	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			A 61 M 5/00 A 61 M 31/00 F 04 B 43/00
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 21-08-1992	Examiner WERDECKER
CATEGORY OF CITED DOCUMENTS 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			