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⑤4 Toner Fusing Apparatus.

57 Apparatus for applying release oil to a fuser roller pair (10a, 10b) in a xerographic copier comprises an elongate trough (41) containing a supply of oil (42) in the base (44) thereof, and a wick (45) for drawing up the oil from the trough and applying it to a metering roller (47). The metering roller applies the oil to a donor roller (48) which in turn transfers the oil to the heated roller (10a) of the fuser roller pair.

A3 The amount of oil on the metering roller (47) is checked by a blade (49) and surplus oil removed by the blade is allowed to fall back towards the trough. In order to promote enhanced distribution of oil along the length of the trough a series of ramps (51a, 51b, 51c) in saw-tooth configuration is provided in or adjacent a side wall of the trough beneath the blade (49) to receive the oil removed from the metering roller before it is returned to the base (44) of the trough. The base of the trough may slope in the opposite direction to the ramps to establish continuous circulation for the oil.

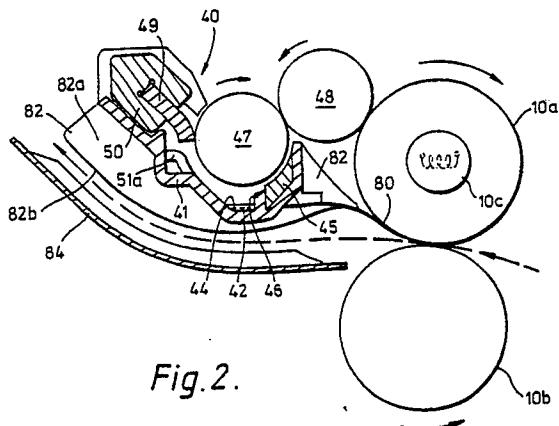
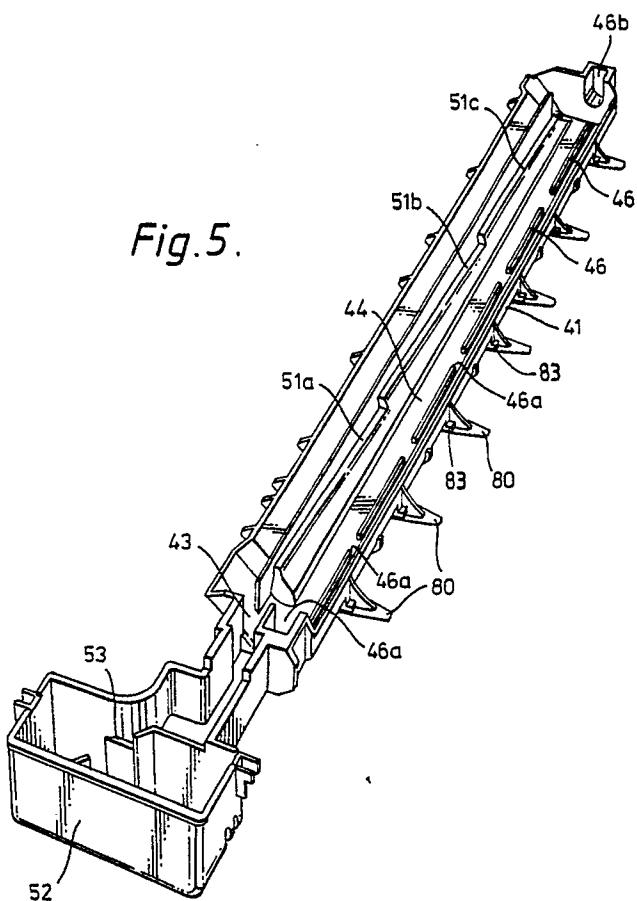


Fig. 2.

Fig. 5.





DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
A	US-A-4 352 551 (S. IWAO) * figures 1,2 * ---	1,9,10	G 03 G 15/20
A	US-A-4 397 936 (T. SAKATA et al.) * figure 1 * -----	1,9,10	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			G 03 G 15/00
Place of search			Examiner
BERLIN		Date of completion of the search	HOPPE H
CATEGORY OF CITED DOCUMENTS			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
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