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(54) An inner scroll for an olive oil centrifugal separator

(57) A rotating inner scroll (10) for a centrifugal separator with a horizontal axis for separating the liquid and solid phases from a past of crushed olives, comprises an elongated central hub (14) of substantially tubular shape and an outer drum of substantially truncated cone shape. The inner scroll comprises one or more

baffles (20) oriented in an axial planes. The baffles are radially extending between the tubular hub (14) and the drum so as to form a barrier encompassing at least the boundary zone (A) between the oil and the water being separated by centrifugation.

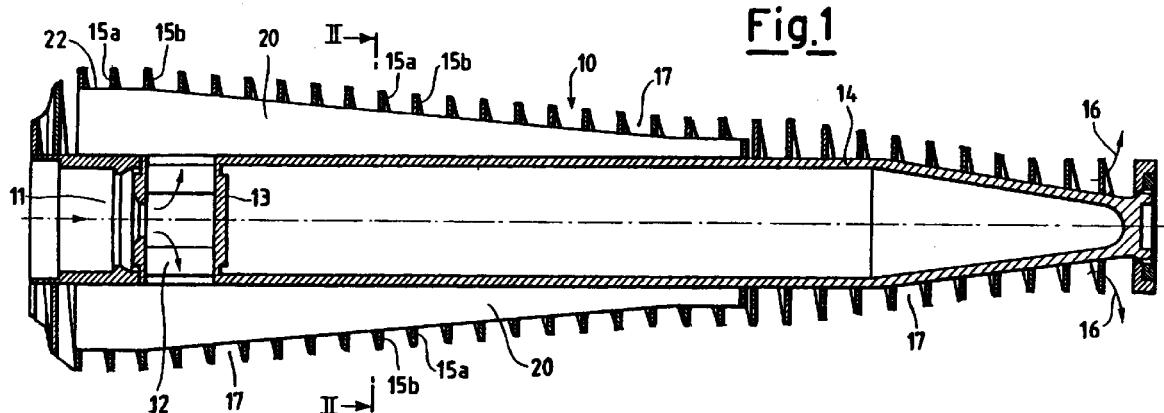


Fig.1



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EUROPEAN SEARCH REPORT

Application Number

EP 97 12 1247

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
Y	US 4 295 600 A (P.L. SAGET) 20 October 1981 * column 1, line 6 - line 48 * * column 4, line 64 - column 8, line 31 * * abstract; figures 1-6 * ---	1-10	B04B1/20
Y	EP 0 602 766 A (ALFA-LAVAL SEPARATION) 22 June 1994 * column 8, line 5 - column 10, line 45 * * abstract; figures 1-3 * ---	1-10	
A	DE 29 07 318 A (BAYER) 28 August 1980 * page 7, line 1 - line 15; figures * ---	1	
A	GB 2 138 715 A (GEOSOURCE) 31 October 1984 * page 2, line 126 - page 3, line 26 * * figures 1B,2A,2B * ---	1	
A	US 2 578 456 A (J.D.L. SMITH) 11 December 1951 * column 2, line 53 - column 3, line 72 * * figures 2,3 * -----	1	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			B04B
<p>The present search report has been drawn up for all claims</p>			
Place of search	Date of completion of the search		Examiner
THE HAGUE	11 December 1998		Leitner, J
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	
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			