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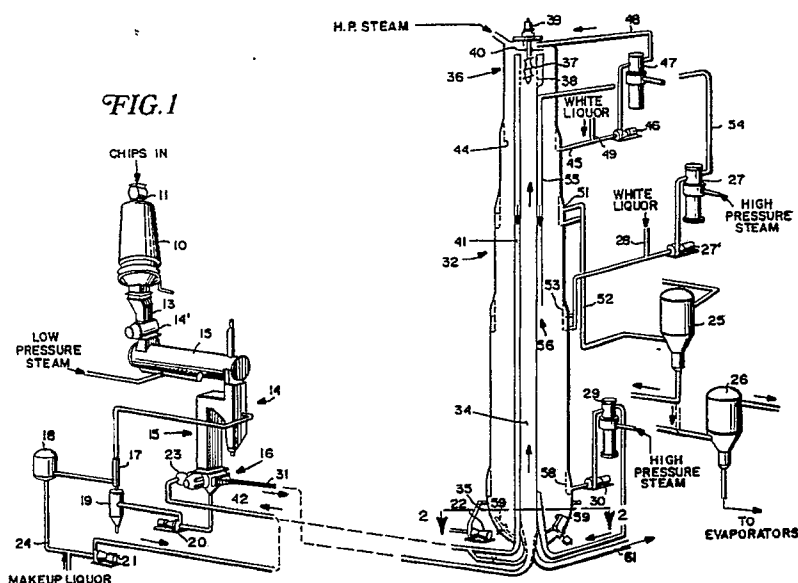
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(54) **Continuous cooking with reduced cost, horsepower and pulp degradation.**

(57) In the continuous cooking of comminuted cellulosic fibrous material (e.g. wood chips) to produce paper pulp, the material passes upwardly in an impregnation vessel (34) which is within and concentric with a continuous digester (32) and open at the top to digester pressure. At the top of the impregnation vessel, a solids/liquid separator (36) (a screw (37) within a screen cylinder (38)) is provided. Separated

liquid is returned in a conduit (41) adjacent the exterior of the impregnation vessel, and open at the top to digester pressure, and passes out the bottom of the digester. The impregnation vessel is welded to the bottom (35) of the digester, and the bottom of the digester is generally hemi-spherical, and substantially devoid of packings.



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## EUROPEAN SEARCH REPORT

Application Number

EP 90 89 0180

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.5)
E	EP-A-344462 (KAMYR) * column 7,8; claims 1-7, 9; figures 1, 3 * ---	1, 7	D21C7/00 D21C7/14
A	DE-A-1517139 (AKTIEBOLAGET DEFIBRATOR) * claims 1, 5; figure 1 * ---	1, 7	
A	US-A-3471366 (ROLF B. REINHALL) * the whole document * ---	1, 7	
A	FR-A-1079333 (KAMYR) * page 4; figure 1 * resume 10-40* -----	1, 5-7	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			D21C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 26 SEPTEMBER 1991	Examiner DURAND F.C.
<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			