

Title (en)

METHOD AND APPARATUS FOR RECOVERING PULP SOLIDS FROM WHITEWATER

Publication

EP 0455784 A4 19920408 (EN)

Application

EP 90917507 A 19901102

Priority

US 43145689 A 19891103

Abstract (en)

[origin: WO9106704A1] A method of feeding a stream of whitewater (27) from a paper making process into a wedge-shaped zone between horizontal travelling upper and lower converging wire meshes (11, 12), applying a siphon means (10) to the upper mesh (12) in the zone to form a web (71) of solid fibrous material between meshes, separating the upper mesh (12) from the web (71) to leave it supported on the lower mesh (11) as meshes (11, 12) leave the zone; washing all solids from meshes (11, 12) into a receiving vessel (48) recycling the vessel contents to the paper making process; recovering in a pool (56) purified liquid from the siphon means (10), and recycling such liquid for use in showers and the like in the paper making process. Preferably, another stream of an aqueous dispersion of pulp via pipe (66) is introduced adjacently below the upper mesh (12) to cause pulp to form on such mesh (12) which enhances removal of entrained solids from the whitewater. Apparatus to perform the above method is also provided.

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D21F 11/00; **D21F 1/48**

IPC 8 full level

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CPC (source: EP)

D21F 1/48 (2013.01); **D21F 1/80** (2013.01)

Citation (search report)

- [Y] AT 333115 B 19761110 - ARLEDTER HANNES F DR ING [AT], et al
- [YD] EP 0258918 A1 19880309 - AWE ANTI WEAR ENG SRL [IT]
- [Y] GB 2143871 A 19850220 - BELOIT WALMSLEY LTD
- See references of WO 9106704A1

Designated contracting state (EPC)

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