Title (en)
Flotation plant and process for fibre recovery and liquid clarification, particularly for paper mill effluents.

Title (de)
Flotationseinrichtung und Flotationsverfahren zur Wiedergewinnung von Fasern und Wasserklärung, insbesondere für Ausströmungen der Papierindustrie.

Title (fr)
Installation et procédé de flottation pour la récupération de fibres et clarification de liquide particulièrement pour les effluents d'une usine à papier.

Publication
**EP 0001418 A1 19790418 (EN)**

Application
**EP 78100947 A 19780921**

Priority
IT 8363577 A 19770926

Abstract (en)
In a flotation plant for stock recovering and liquid clarification particularly for paper mill effluents, the rotatable equipment (3) is mounted on a hollow central column (38) and is provided with a annular concentric walls (2 min ,22) fastened thereto, a blade (7), inlet means (31-32) for the liquid (11) to be treated connected to the central column (38), outlet means (30,30 min ) connected to the outer wall (2 min ), means (71) for receiving and dropping the floating stock (4) and for bridging it to the space 22 between the inner wall (22) and the column (38) and possibly a bladed wheel (8) to increase the dropping collection of stock 4.

IPC 1-7
**B03D 1/14**; B03B 5/58; C02C 5/00

IPC 8 full level
**B03B 5/58** (2006.01); **B03D 1/14** (2006.01)

CPC (source: EP)
**B03B 5/58** (2013.01); **B03D 1/028** (2013.01); **B03D 1/1456** (2013.01); **B03D 1/1462** (2013.01); **B03D 1/1493** (2013.01)

Citation (search report)
- [D] IT 704314 A
- FR 2296464 A1 19760730 - SAINT GOBAIN TECHN NOUVELLES [FR]
- FR 651286 A 19290216
- DE 288462 C
- US 2888139 A 19590526 - FISCHER ANTHONY J

Cited by
US4784764A; EP1732696A4; WO2005087382A1; US7985341B2

Designated contracting state (EPC)
DE FR

DOCDB simple family (publication)
**EP 0001418 A1 19790418**; **EP 0001418 B1 19820317**; **EP 0001418 B2 19870923**; DE 2861671 D1 19820415; IT 1117836 B 19860224

DOCDB simple family (application)
**EP 78100947 A 19780921**; DE 2861671 T 19780921; IT 8363577 A 19770926