

Title (en)

PROCESS FOR CONTROLLING THE ADDITION OF RETENTION AGENT DURING PAPERMAKING

Publication

EP 0349860 A3 19910522 (DE)

Application

EP 89111530 A 19890624

Priority

DE 3822783 A 19880706

Abstract (en)

[origin: JPH0247386A] PURPOSE: To form paper having homogeneous appearance and good tissue by computing and determining the addition amounts of stock variable components which influence the retention and flocculation of stock in accordance with specific equations. CONSTITUTION: The practical numerical values of the flocculation and retention are monitored by the continuous measurement of suspensions and the maximum limit amounts at which the retention-influencing stock variable compositions (X1 ,...Xn) can be added are determined by equation I from the predetermined permissible maximum flocculation degree Y2 and the typical numerical values (X1 ,...Xn) of the stock suspensions. For example, the beating degree X1 , pH value X2 , alum amount X3 and retention aid amount X4 and the total stock holding Y1 and flocculation degree Y2 relating to a loading amount X5 are respectively given by equation II and equation III. The retention aid amount and alum amount of each of the respective numerical values and the respective combinations of the variable amounts are selected by both equations in such a manner that the flocculation degree does not exceed, for example, 1.5 and that the maximum possible retention of the respective cases may be rendered.

IPC 1-7

D21H 23/08; **D21H 23/12**

IPC 8 full level

D21F 7/06 (2006.01); **D21H 23/08** (2006.01); **D21H 23/12** (2006.01)

CPC (source: EP US)

D21H 23/08 (2013.01 - EP US); **D21H 23/12** (2013.01 - EP US); **Y10S 162/11** (2013.01 - EP US)

Citation (search report)

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- [A] TA-A- (CHIGAGO) 11-13, 1988 CONTINUOUS RETENTION MONITORING SYSTEM....KORTELAINEN H.
- [A] PAPIER, DAS. vol. 40, no. 10A, Oktober 1986, DARMSTADT DE Seiten 62 - 67; D. HORAND ET AL: "OPTIMIERUNG VON PAPIER- UND KARTONREZEPTUREN"

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