

Title (en)
APPARATUS AND METHOD FOR THICKENING PULP AND PAPER STOCK

Publication
EP 0197731 A3 19880706 (EN)

Application
EP 86302337 A 19860327

Priority
US 71775785 A 19850329

Abstract (en)
[origin: EP0197731A2] Apparatus for thickening a suspension of paper making pulp in water employs a pair of endless perforate belts (30, 31), referred to as wires since they are like paper machine forming wires - one inside the other - which at the inlet end of the apparatus are trained around two spaced rolls (23, 25) from which they converge to wrap a third rill (20) and thereby define a generally V-shaped horizontally extending space into which the stock to be thickened is delivered by a headbox (50) positioned between the two wires. The resulting sandwich of wire-pulp-wire is then caused to wrap the major portion of the third roll (20) so that it reverses its direction and then travels around additional rolls (33, 23) until it completes the major part of a loop, during which travel, drainage through the outside wire (31) takes place. When the sandwich reaches this position, the wires separate, pass in diverging relation above and below a trough (60) in which the thickened pulp is collected, above and below the headbox (50), and then reconverge to continue the operation.

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D21F 1/80

IPC 8 full level
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CPC (source: EP)
B30B 9/246 (2013.01); **D21C 9/18** (2013.01); **D21F 1/80** (2013.01)

Citation (search report)
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• [A] DE 3020119 A1 19811210 - ENVIROTECH CORP [US]
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Designated contracting state (EPC)
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