

Title (en)

Apparatus and method for thickening pulp and paper stock.

Title (de)

Verfahren und Vorrichtung zur Verdichtung von Faserbrei.

Title (fr)

Procédé et dispositif pour l'épaississement d'une pâte à papier.

Publication

**EP 0197731 A2 19861015 (EN)**

Application

**EP 86302337 A 19860327**

Priority

US 71775785 A 19850329

Abstract (en)

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 roll (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)

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