

Title (en)  
PROCESS FOR TREATING A PAPER SLURRY WITH OZONE

Publication  
**EP 0276608 B1 19910327 (FR)**

Application  
**EP 87402949 A 19871222**

Priority  
FR 8618447 A 19861231

Abstract (en)  
[origin: WO8805095A1] Method for treating with ozone a high yield finished pulp, that is to say a previously refined and purified pulp up to a refining degree required for its final utilization. The treatment is carried out in a reactor (1) consisting of a dual-screw machine, known per se, comprising inside a sleeve (7), two screws (3, 5) with parallel axes which are intermeshed and driven in the same rotational direction, and of which the helical threads present successive zones (10, 20, 30, 40) with different pitches. The pulp is introduced into the reactor at a high dryness level, preferably between 40 and 45 %. The ozone ratio may be from 2 % to 8 %. It is possible to continuously and simply obtain by implementing this method a high yield pulp having improved mechanical resistance properties.

IPC 1-7  
**D21B 1/16**; **D21B 1/30**; **D21C 9/153**

IPC 8 full level  
**D21B 1/16** (2006.01); **D21B 1/30** (2006.01); **D21C 9/153** (2006.01)

CPC (source: EP)  
**B30B 11/243** (2013.01); **B30B 11/246** (2013.01); **D21B 1/16** (2013.01); **D21B 1/30** (2013.01); **D21C 9/153** (2013.01)

Cited by  
EP0308314A1; US5211811A; US5520783A; US5451296A; US5472572A; US5409570A; US5174861A; US5181989A; US5863389A

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