

Title (en)  
Process for the chlorine-free bleaching of cellulosic pulp.

Title (de)  
Verfahren zum chlorfreien Bleichen von Zellstoff.

Title (fr)  
Procédé exempt de chlore pour le blanchiment de pâte cellulosique.

Publication  
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Application  
**EP 90890348 A 19901220**

Priority  
AT 26190 A 19900207

Abstract (en)  
[origin: EP0441113A1] The process comprises three stages, namely an oxygen bleach which is optionally combined with a hydrogen peroxide bleach (EOP stage), an ozone bleach (Z stage) and a peroxide bleach (P stage). According to the invention, the residual oxygen content of the exit air from the Z stage is completely reacted in the EOP stage, and the effluent of the Z stage is used for dilution between the EOP and Z stages and/or for ash removal from the pulp after bleaching. It is advantageous in this case to control the temperature, the NaOH supply and the O<sub>2</sub>/H<sub>2</sub>O<sub>2</sub> ratio in the EOP stage, so that the oxygen consumption at a constant conversion is adjusted to the residual oxygen content of the exit air from the Z stage.

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IPC 8 full level  
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