

Title (en)
Filler for paper making process

Title (de)
Füller für Papierherstellungsverfahren

Title (fr)
Charge pour procédé de fabrication de papier

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Application
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Abstract (en)
The invention relates to a process for the production of paper which comprises providing an aqueous suspension containing cellulosic fibres, introducing into the suspension a filler comprising in pre-mixed form a clay and an anionic cellulose derivative having a degree of substitution of carboxyalkyl groups up to about 0.65, and dewatering the suspension to form a web or sheet of paper. The invention further relates to a filler comprising clay and an anionic cellulose derivative having a degree of substitution of carboxyalkyl groups up to about 0.65. The invention also relates to paper comprising the filler according to the invention. The invention further relates to a method of making a filler which comprises mixing clay with an anionic cellulose derivative having a degree of substitution of carboxyalkyl groups up to about 0.65.

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Citation (applicant)
• US 5759346 A 19980602 - VINSON KENNETH DOUGLAS [US]
• WO 0186067 A1 20011115 - RAISIO CHEM LTD [FI], et al
• WO 9513324 A1 19950518 - MINERALS TECH INC [US]
• US 4940785 A 19900710 - STOBBER REINHARD [DE], et al

Citation (search report)
• [XY] EP 0758695 A2 19970219 - JAPAN TOBACCO INC [JP], et al
• [XY] DE 19842962 A1 20000323 - WOLFF WALSRÖDE AG [DE]
• [XY] EP 0227623 A1 19870701 - BOLIDEN AB [SE]
• [A] US 2003085012 A1 20030508 - JONES J PHILIP E [US], et al
• [A] US 4710270 A 19871201 - SUNDEN OLOF [FR], et al
• [AD] US 5492560 A 19960220 - FAIRCHILD GEORGE H [US]
• [A] US 6080277 A 20000627 - OBERKOFER JOERG [AT], et al
• [A] US 3730830 A 19730501 - DRISCOLL W
• [A] US 5607552 A 19970304 - ANDERSSON KJELL [SE], et al

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