

Title (en)

PROCESS FOR CONTINUOUS PRODUCTION OF NONWOVEN HIGHLY WATER-ABSORBENT COMPLEX

Publication

EP 0223908 A3 19890712 (EN)

Application

EP 86107597 A 19860604

Priority

JP 25659485 A 19851118

Abstract (en)

[origin: EP0223908A2] The invention relates to a process for the continuous production of nonwoven highly water-absorbent complex characterized in adding in advance to an aqueous monomer solution a crosslinking agent and a oxidizing polymerization initiating agent having a latent activity, and after impregnating a continuous nonwoven fibrous web with this solution, causing a rapid polymerization reaction by adding an activator to this web so as to form a water-swelling polymer in this web, thereby continuously forming a nonwoven highly water-absorbent comple. As the radical polymerization initiator a peroxide e.g. hydrogen peroxide is used, and as the activator a water soluble reducing agent capable of forming a redox system with said peroxide, e.g. aniline or sodium sulfite is used.

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D04H 1/64

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D04H 1/64 (2012.01)

CPC (source: EP)

D04H 1/587 (2013.01); **D04H 1/64** (2013.01)

Citation (search report)

- [A] EP 0019169 B1 19830126
- [A] GB 962458 A 19640701 - ROHM & HAAS
- [A] WO 8001031 A2 19800515 - DU PONT [US]
- [XE] CHEMICAL ABSTRACTS, vol. 107, no. 16, 19th October 1987, page 84, abstract no. 135863g, Columbus, Ohio, US; & JP-A-62 97 979 (MITSUBISHI PETROCHEMICAL CO., LTD) 07-05-1987

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