

Title (en)

Process for making a foamed material from waste paper and similar material

Title (de)

Verfahren zur Herstellung von geschäumtem Material aus Altpapier und dgl.

Title (fr)

Procédé pour la fabrication d'un matériau en mousse à partir de vieux papiers et matière similaire

Publication

EP 0671504 B1 19970806 (DE)

Application

EP 95101694 A 19950207

Priority

DE 4404322 A 19940211

Abstract (en)

[origin: EP0671504A1] Prodn. of foam material from waste paper etc. in any shape entails preliminary prodn. steps leading to a fluid, pref. water, based pulp from the raw material. Additives may be supplied to achieve the required characteristics of the finished product. Here, the foaming and solidification of the pulp results from the effect of microwave radiation. Pref. the required quantity paper pulp is introduced in any shape and following microwave radiation is released from its mould. This is made of microwave transparent material in the radiation area, does not couple with the radiation and does not impede the expansion of the paper pulp or the fluid vaporisation through the mould.

IPC 1-7

D21F 11/00; D21F 5/16; D21J 1/06

IPC 8 full level

D21F 5/16 (2006.01); **D21F 11/00** (2006.01); **D21J 1/06** (2006.01)

CPC (source: EP)

D21F 5/167 (2013.01); **D21F 11/002** (2013.01); **D21J 1/06** (2013.01)

Cited by

US5707579A; EP0740990A3; GB2326124A; FR2764315A1; US11255051B2; US11591755B2; US7758722B2; WO2005007968A1; WO2004083523A1; US11313061B2; US11788221B2

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)

EP 0671504 A1 19950913; **EP 0671504 B1 19970806**; AT E156541 T1 19970815; CA 2142222 A1 19950812; CA 2142222 C 20001107; DE 4404322 A1 19950817; DE 59500454 D1 19970911; DK 0671504 T3 19980302; FI 105280 B 20000714; FI 950589 A0 19950210; FI 950589 A 19950812; NO 307191 B1 20000221; NO 950510 D0 19950210; NO 950510 L 19950814

DOCDB simple family (application)

EP 95101694 A 19950207; AT 95101694 T 19950207; CA 2142222 A 19950210; DE 4404322 A 19940211; DE 59500454 T 19950207; DK 95101694 T 19950207; FI 950589 A 19950210; NO 950510 A 19950210