

Title (en)

METHOD AND FOAMING AGENT FOR PRODUCING EXPANDED PLASTIC OBJECTS

Title (de)

VERFAHREN UND TREIBMITTEL ZUR HERSTELLUNG VON GESCHÄUMTEN KUNSTSTOFFGEGENSTÄNDEN

Title (fr)

PROCEDE ET AGENT MOUSSANT DESTINES A LA FABRICATION D'ARTICLES PLASTIQUES EXPANSES

Publication

EP 1212186 A1 20020612 (DE)

Application

EP 01958006 A 20010723

Priority

- DE 10036101 A 20000725
- EP 0108510 W 20010723

Abstract (en)

[origin: WO0207949A1] The invention relates to a method for producing expanded plastic objects, whereby a thermoplastic material is mixed with a foaming agent which produces CO₂, and the mixture is moulded in a moulding tool. The moulding is carried out in a vacuum in the tool and in the presence of compressed air inside the tool. The invention relates to a CO₂-generating foaming agent comprising at least the following constituents: sodium hydrogen carbonate, monosodium citrate and a solid acting as a nucleation agent, the particle size of the individual constituents being smaller or equal to 40 µm.

IPC 1-7

B29C 49/00; **B29C 44/34**

IPC 8 full level

B29C 44/34 (2006.01); **B29C 49/04** (2006.01)

CPC (source: EP)

B29C 44/3403 (2013.01); **B29C 44/588** (2013.01); **B29C 49/04** (2013.01); **B29C 2791/006** (2013.01); **B29K 2105/04** (2013.01)

Citation (search report)

See references of WO 0207949A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0207949 A1 20020131; AU 7977801 A 20020205; DE 10036101 A1 20020328; EP 1212186 A1 20020612

DOCDB simple family (application)

EP 0108510 W 20010723; AU 7977801 A 20010723; DE 10036101 A 20000725; EP 01958006 A 20010723