

Title (en)

METHOD OF PREPARING RIGID POLYURETHANE FOAM

Title (de)

VERFAHREN ZUR HERSTELLUNG VON POLYURETHANHARTSCHAUMSTOFF

Title (fr)

PROCEDE DE PREPARATION D'UNE MOUSSE DE POLYURETHANNE DURE

Publication

EP 1131376 A1 20010912 (EN)

Application

EP 99950716 A 19991013

Priority

- EP 9907691 W 19991013
- JP 30379498 A 19981026

Abstract (en)

[origin: WO0024813A1] A method of preparing a polyurethane foam having excellent heat insulating properties is provided. A method of preparing a rigid polyurethane foam from (1) an organic polyisocyanate comprising an aromatic polyisocyanate, (2) a polyol comprising a polyether polyol and/or polyester polyol, (3) a blowing agent, and (4) a surfactant, a catalyst and other auxiliaries, characterized in that the blowing agent (3) is cyclopentane and water, the polyol (2) is a polyether polyol and/or polyester polyol having poor compatibility with cyclopentane, and cyclopentane is mixed and dispersed in a polyol premix comprising the components (2) to (4).

IPC 1-7

C08J 9/14; **B29C 44/34**; **C08J 9/30**

IPC 8 full level

B29C 44/34 (2006.01); **C08G 18/18** (2006.01); **C08G 18/20** (2006.01); **C08G 18/40** (2006.01); **C08G 18/42** (2006.01); **C08G 18/48** (2006.01); **C08G 18/66** (2006.01); **C08J 9/14** (2006.01); **C08J 9/30** (2006.01); **C08G 101/00** (2006.01)

CPC (source: EP)

B29C 44/3442 (2013.01); **C08G 18/1808** (2013.01); **C08G 18/2036** (2013.01); **C08G 18/4018** (2013.01); **C08G 18/4816** (2013.01); **C08G 18/6611** (2013.01); **C08J 9/141** (2013.01); **C08J 9/30** (2013.01); **C08G 2110/0025** (2021.01); **C08G 2110/005** (2021.01); **C08J 2375/04** (2013.01)

Citation (search report)

See references of WO 0024813A1

Cited by

CN109130057A

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 0024813 A1 20000504; AU 6338899 A 20000515; BR 9914803 A 20010703; CA 2347709 A1 20000504; EP 1131376 A1 20010912; JP 2000128951 A 20000509; PL 347429 A1 20020408

DOCDB simple family (application)

EP 9907691 W 19991013; AU 6338899 A 19991013; BR 9914803 A 19991013; CA 2347709 A 19991013; EP 99950716 A 19991013; JP 30379498 A 19981026; PL 34742999 A 19991013