

Title (en)

METHOD FOR PRODUCING EXPANDABLE STYRENE POLYMERS CONTAINING GRAPHITE AND FLAME RETARDANT

Title (de)

VERFAHREN ZUR HERSTELLUNG VON EXPANDIERBAREN, GRAPHIT- UND FLAMMSCHUTZMITTELHALTIGEN STYROLPOLYMERISATEN

Title (fr)

PROCÉDÉ DE PRODUCTION DE POLYMÈRES DE STYRÈNE EXPANSIBLES CONTENANT DU GRAPHITE ET UN AGENT IGNIFUGE

Publication

EP 2794740 A2 20141029 (DE)

Application

EP 12808760 A 20121212

Priority

- EP 11194869 A 20111221
- EP 2012075150 W 20121212
- EP 12808760 A 20121212

Abstract (en)

[origin: WO2013092322A2] The invention relates to a method for producing expandable styrene polymers by polymerizing at least one vinyl aromatic monomer in an aqueous suspension in the presence of at least one halogenated polymer as a flame retardant, graphite, and blowing agent, characterized in that, at the start of the polymerization, the aqueous suspension contains 1 to 30 wt% of at least one styrene polymer with respect to the sum of monomers and styrene polymer and the styrene polymer used at the start of the polymerization likewise contains at least one halogenated polymer as a flame retardant.

IPC 8 full level

C08J 9/20 (2006.01); **C08J 9/14** (2006.01)

CPC (source: EP KR US)

C08F 2/18 (2013.01 - KR US); **C08F 2/44** (2013.01 - KR US); **C08F 12/08** (2013.01 - KR); **C08J 9/141** (2013.01 - EP KR US); **C08J 9/20** (2013.01 - EP US); **C08K 3/04** (2013.01 - KR); **C08J 2203/14** (2013.01 - EP KR US); **C08J 2325/06** (2013.01 - EP KR US); **C08J 2400/30** (2013.01 - EP US); **C08J 2425/04** (2013.01 - KR); **C08J 2425/10** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2013092322A2

Citation (examination)

WO 2011073141 A1 20110623 - BASF SE [DE], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2013092322 A2 20130627; **WO 2013092322 A3 20131227**; CN 104011119 A 20140827; CN 104011119 B 20160824; EP 2794740 A2 20141029; KR 20140105823 A 20140902; US 2014364524 A1 20141211

DOCDB simple family (application)

EP 2012075150 W 20121212; CN 201280063539 A 20121212; EP 12808760 A 20121212; KR 20147019285 A 20121212; US 201214367253 A 20121212