Title (en)

Computer implemented method for optimising an injection moulding process for producing thick-walled components

Title (de)

COMPUTER-IMPLEMENTIERTES VERFAHREN ZUM OPTIMIEREN EINES SPRITZGUSSPROZESSES ZUR HERSTELLUNG DICKWANDIGER BAUTEILE

Title (fr)

Procédé implanté par ordinateur pour optimiser un processus de moulage par injection pour la fabrication de composants à paroi large

Publication

EP 2488973 A1 20120822 (DE)

Application

EP 10763376 A 20101012

Priority

- EP 09013073 A 20091016
- EP 2010065279 W 20101012
- EP 10763376 A 20101012

Abstract (en)

[origin: EP2323050A1] The method involves defining a group of parameters as primary characteristics based on a relative influence of the parameters on a predetermined model response. Parameter values for the primary characteristics are defined as starting values for optimization of a model and tolerance ranges for the primary characteristics. The parameter values of the primary characteristics are optimized with respect to a desired value of the model response in the tolerance ranges. The optimized parameter values are set as the starting parameter values on an injection molding machine. An independent claim is also included for a computer program comprising a set of instructions for executing a method for optimizing an injection molding process for producing thick-walled components.

IPC 8 full level

G06F 17/50 (2006.01)

CPC (source: EP US)

G06F 30/20 (2020.01 - EP US); G06F 2113/22 (2020.01 - EP US)

Citation (search report)

See references of WO 2011045314A1

Citation (examination)

MICHAEL STRICKER ET AL: "Präzision im Fokus", KUNSTSTOFFE 4/2009, 1 April 2004 (2004-04-01), pages 30 - 34, XP055057119, Retrieved from the Internet <URL:http://www.kunststoffe.de/KU110084> [retrieved on 20130319]

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2323050 A1 20110518; CN 102549580 A 20120704; CN 102549580 B 20150325; EP 2488973 A1 20120822; US 2012203375 A1 20120809; US 8983878 B2 20150317; WO 2011045314 A1 20110421

DOCDB simple family (application)

EP 09013073 A 20091016; CN 201080046645 A 20101012; EP 10763376 A 20101012; EP 2010065279 W 20101012; US 201013501787 A 20101012