

PROJECT:

ULTREX

FULL TITLE:

Investigación de un nuevo sistema de transformación de termoplásticos, asistido por ULTRasonidos, de aplicación a procesos de alta productividad por Extrusión. (*Investigation of a new processing thermoplastics, ultrasound-assisted, applicable to high-productivity processes for extrusion.*)

FILE NUMBER:

PID-600100-2009-13

APPLICANT ORGANISATION:

Aitiip Technology Centre in collaboration with Ascamm Foundation and Tekniker and AIJU Toy , Technology Centers.

CALL:

Call for grant aid under the National Applied Research Projects, under the National R + D + I 2008-2011

DATE OF COMPLETION:

2009-2011

OBJECTIVES:

The project's main objective is to improve the extrusion process by introducing a controlled ultrasonic vibration assistance to it. It seeks greater control over the material flow, an improvement in the dispersion of the reinforcements contained in the material and an increase in the processability of such plastics. The new technology will be applicable to both continuous extrusions of profiles as extrusion blow molding of hollow profiles.

FINANCED BY:

