

Title (en)
HYDRAULIC FLUIDS IN PLASTIC INJECTION MOLDING PROCESSES

Title (de)
HYDRAULISCHE FLÜSSIGKEITEN IN KUNSTSTOFFEINSPRITZFORMUNGSVERFAHREN

Title (fr)
FLUIDES HYDRAULIQUES DANS DES PROCÉDÉS DE MOULAGE PAR INJECTION PLASTIQUE

Publication
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Application
EP 15750369 A 20150807

Priority
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Abstract (en)
[origin: WO2016026719A1] The present invention relates to the use of hydraulic fluids in plastic injection molding processes. Thereby it was surprisingly found that the use of hydraulic fluids with the right combination of physical parameters like the viscosity grade, the viscosity index, the density and the dispersancy allows for significant energy savings in plastic injection molding processes (PIM). The PIM process is an industrial process to manufacture plastic parts at well controlled temperatures, pressures and cycle times. The energy consumption of the process became more important over the last years, however, other parameters like process stability and accuracy of plastic part parameters as well as machine protection and long oil drain intervals have to be satisfying.

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Citation (search report)
See references of WO 2016026719A1

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