

Title (en)  
SINGLE ROTOR EXTRUDERS

Title (de)  
EINSCHNECKENEXTRUDER

Title (fr)  
EXTRUDEUSES MONOROTOR

Publication  
**EP 1159120 A1 20011205 (EN)**

Application  
**EP 00909485 A 20000310**

Priority  

- GB 0000899 W 20000310
- GB 9905487 A 19990311
- GB 9908143 A 19990410
- GB 9916725 A 19990719

Abstract (en)  
[origin: WO0053390A1] A single rotor extruder for an elastomeric or plastics medium has a casing (2) in which an extruder screw (1) works with a Transfermix section and includes a gear pump comprising a casing and at least two gear wheels (5, 6), the gear pump casing being integral with the casing (2) of the extruder, and one gearwheel (5 or 6) of the gear pump being coaxial with the extruder screw (1). The gear pump is integrated with the extruder screw, which has advantages in controlling the temperature, output and throughput of the medium. The gear pump may be arranged before or after the extruder screw (1).

IPC 1-7  
**B29C 47/50**; **B29C 47/58**; **B29C 47/10**; **B29C 47/38**

IPC 8 full level  
**B29C 48/37** (2019.01); **B29C 48/38** (2019.01); **B29C 48/395** (2019.01); **B29C 48/50** (2019.01); **B29C 48/56** (2019.01); **B29C 48/04** (2019.01)

CPC (source: EP)  
**B29C 48/37** (2019.01); **B29C 48/387** (2019.01); **B29C 48/395** (2019.01); **B29C 48/397** (2019.01); **B29C 48/501** (2019.01); **B29C 48/56** (2019.01); **B29C 48/686** (2019.01); **B29C 48/04** (2019.01); **B29C 48/2886** (2019.01); **B29K 2105/16** (2013.01)

Citation (search report)  
See references of WO 0053390A1

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 0053390 A1 20000914**; AU 3176700 A 20000928; EP 1159120 A1 20011205

DOCDB simple family (application)  
**GB 0000899 W 20000310**; AU 3176700 A 20000310; EP 00909485 A 20000310