

Title (en)  
STATOR FOR A HELICAL GEAR PUMP

Publication  
**EP 0209099 B1 19890104 (DE)**

Application  
**EP 86109623 A 19860714**

Priority  
DE 3525529 A 19850717

Abstract (en)  
[origin: US4863359A] The stator comprises a rigid tubular casing and an elastic lining which is tightly enclosed by the casing and symmetrical with respect to the longitudinal center axis of the stator. The inner surface of the lining forms a multiple thread and, in cross section, consists of a number of sections near the axis equal to the number of courses of the thread and an equally great number of concave arcs. The lining has a minimum thickness each at the concave arcs and a maximum thickness each near at least two of the transitions between the sections near the axis and the concave arcs.

IPC 1-7  
**F04C 2/107**

IPC 8 full level  
**F04C 2/107** (2006.01)

CPC (source: EP US)  
**F04C 2/1075** (2013.01 - EP US)

Cited by  
EP0459740A1; US5145343A; GB2272730A; US5358390A; GB2272730B

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**US 4863359 A 19890905**; AT E39731 T1 19890115; BR 8603356 A 19870224; DE 3525529 C1 19860807; DE 3661645 D1 19890209; EP 0209099 A1 19870121; EP 0209099 B1 19890104; JP H071035 B2 19950111; JP S6220684 A 19870129

DOCDB simple family (application)  
**US 88563986 A 19860715**; AT 86109623 T 19860714; BR 8603356 A 19860716; DE 3525529 A 19850717; DE 3661645 T 19860714; EP 86109623 A 19860714; JP 16684886 A 19860717