

Title (en)
ROLLING ELEMENT BEARING SYSTEM WITH IMPROVED DAMPING

Title (de)
WÄLZLAGER VORRICHTUNG MIT DÄMPFUNG

Title (fr)
SYSTEME DE PALIER A ELEMENT ROULANT, DOTE D'UN AMORTISSEMENT AMELIORE

Publication
EP 0943058 A1 19990922 (EN)

Application
EP 97950485 A 19971212

Priority
• NL 9700690 W 19971212
• NL 1004760 A 19961212
• NL 1004763 A 19961212

Abstract (en)
[origin: WO9826190A1] A bearing system comprises a rolling element bearing having an inner ring and an outer ring which enclose a bearing space containing at least one series of rolling elements, a shaft connected to the inner ring, and a bearing support connected to the outer ring. At least one of the rings engages a damping layer which at least partly consists of a visco-elastic material or a damping fluid, which damping layer is at a distance from the raceway of said ring.

IPC 1-7
F16C 27/04; **F16C 27/06**

IPC 8 full level
F16C 27/04 (2006.01); **F16C 27/06** (2006.01); **F16C 33/58** (2006.01)

CPC (source: EP)
F16C 27/045 (2013.01); **F16C 27/066** (2013.01); **F16C 33/58** (2013.01); **F16C 33/60** (2013.01); **F16C 19/06** (2013.01); **F16C 35/047** (2013.01); **F16C 2300/02** (2013.01)

Citation (search report)
See references of WO 9826190A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 9826190 A1 19980618; AU 5346998 A 19980703; EP 0943058 A1 19990922; JP 2001507107 A 20010529

DOCDB simple family (application)
NL 9700690 W 19971212; AU 5346998 A 19971212; EP 97950485 A 19971212; JP 52652798 A 19971212