

Title (en)
Ductile cast iron scroll compressor

Title (de)
Verformbarer gusseiserner Spiralverdichter

Title (fr)
Compresseur à spirales en fonte d'acier ductile

Publication
EP 1983194 A1 20081022 (EN)

Application
EP 07251621 A 20070417

Priority
EP 07251621 A 20070417

Abstract (en)
A scroll compressor includes a scroll member having a base and a generally spiral wrap that extends from the base to define a portion of a compression chamber. The scroll member is made of a cast iron material comprising a microstructure having graphite nodules.

IPC 8 full level
F04C 18/02 (2006.01); **C21C 1/10** (2006.01)

CPC (source: EP)
C21C 1/105 (2013.01); **F04C 18/0246** (2013.01); **F04C 18/0215** (2013.01); **F04C 2230/21** (2013.01); **F05C 2201/028** (2013.01); **F05C 2201/043** (2013.01); **F05C 2201/0439** (2013.01); **F05C 2201/0442** (2013.01); **F05C 2201/0466** (2013.01); **F05C 2203/0808** (2013.01)

Citation (search report)

- [E] US 2007122302 A1 20070531 - SUN ZILI [US]
- [XY] US 5277562 A 19940111 - FUKUHARA HIROYUKI [JP], et al
- [XA] US 4944663 A 19900731 - IIZUKA TADASHI [JP], et al
- [XA] US 6302665 B1 20011016 - ESUMI MOTOTAKA [JP], et al
- [XA] EP 1331395 A2 20030730 - COPELAND CORP [US]
- [XA] JP S5979089 A 19840508 - MITSUBISHI ELECTRIC CORP
- [Y] WO 2006072663 A2 20060713 - METSO PAPER INC [FI], et al
- [A] US 4363661 A 19821214 - KOVACS BELA V
- [A] US 3055756 A 19620925 - KANTER JEROME J, et al
- [A] EP 1652949 A1 20060503 - HITACHI METALS LTD [JP]

Citation (examination)

- EP 0588657 A1 19940323 - INCO ALLOYS INT [US]
- JP S63114938 A 19880519 - TOYOTA MOTOR CORP

Cited by
WO2021136609A1

Designated contracting state (EPC)
BE DE ES FR GB IT

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1983194 A1 20081022

DOCDB simple family (application)
EP 07251621 A 20070417