

Title (en)
CLAMP ASSEMBLY.

Title (de)
KLEMMVORRICHTUNG.

Title (fr)
ASSEMBLAGE DE SERRAGE.

Publication
EP 0072796 A4 19830704 (EN)

Application
EP 81901609 A 19810224

Priority
US 8100225 W 19810224

Abstract (en)
[origin: WO8202872A1] A clamp assembly (12) for controllably gripping an article (10). Automated material handling devices generally require sensor and control devices to adapt the device to variously sized and shaped articles. Also, the application of excess contact force between the clamping device and article may damage vulnerable surfaces and features of the article being handled. The present invention solves the above problem by providing a clamp assembly (12) having opposed, pressurizable gripping members (64, 66). The gripping members (64, 66) each have a compliant, article-contacting surface (67, 68) which form about the article (10) upon pressurization of the gripping members (64, 66). The invention is of particular benefit in handling a wide range of differently sized stepped-diameter shafts.

IPC 1-7
B66C 1/46

IPC 8 full level
B66C 1/42 (2006.01); **B25J 15/00** (2006.01); **B66C 1/46** (2006.01)

CPC (source: EP)
B25J 15/0023 (2013.01); **B66C 1/46** (2013.01)

Citation (search report)

- DE 2028845 A1 19701217
- FR 553283 A 19230519
- US 3714870 A 19730206 - BLATT L

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 8202872 A1 19820902; CA 1177859 A 19841113; EP 0072796 A1 19830302; EP 0072796 A4 19830704; JP S58500112 A 19830120

DOCDB simple family (application)
US 8100225 W 19810224; CA 395480 A 19820203; EP 81901609 A 19810224; JP 50209381 A 19810224