

Title (en)
Abrasive belt storage.

Title (de)
Schleifband-Speicher.

Title (fr)
Magasin pour bande abrasive.

Publication
EP 0223938 A1 19870603 (DE)

Application
EP 86112088 A 19860902

Priority
DE 3534172 A 19850925

Abstract (en)
1. Belt store, in which at least one belt reel having a central passage opening (4) has in the latter at least one bearing insert (6), which is provided with a pivot bearing surface (10) roughly coaxial to the reel axis and formed by an external circumferential surface for the rotary mounting of the belt reel on an angular bearing (3), the pivot bearing surface (10), whose diameter is at least approximately as large as the internal diameter of the passage opening (4), is essentially formed by an axial extension of the bearing insert (6) and in particular two separate pivot bearing surfaces (10) are located on either side outside the end faces (5) of the belt reel (2), characterized in that the belt reel (2) is formed by a wound abrasive belt and that the pivot bearing surface (10) is formed by the axial extension of a plug-in surface engaging in the inner face of the passage opening (4), bounded on at least one side by a collar (8, 9) and arranged in such a way that it is approximately adjacent to the end face (5) of belt reel (2).

Abstract (de)
Ein Schleifmittel-Speicher (1) weist in eine gewickelte Bandrolle (2) aus Schleifmittelband eingesteckte Lagereinsätze (6) mit Drehlagerflächen (10) auf, die durch Außenumfangsflächen der Lagereinsätze (6) gebildet sind. Mit diesen Drehlagerflächen (10) können mehrere Bandrollen (2) nebeneinanderliegend in Lagerschalen von Lagerwangen (13) eines Traglagers von oben so eingesetzt werden, daß sie einerseits exakt und andererseits so gut gebremst gelagert sind, daß ein unbeabsichtigtes Abwickeln der jeweiligen Bandrolle vermieden ist.

IPC 1-7
B24D 9/00

IPC 8 full level
B24D 9/00 (2006.01); **B24D 9/06** (2006.01); **B65H 49/32** (2006.01); **B65H 75/18** (2006.01)

CPC (source: EP)
B24D 9/06 (2013.01); **B65H 49/32** (2013.01); **B65H 49/325** (2013.01); **B65H 75/185** (2013.01)

Citation (search report)
• DE 2919844 A1 19791122 - SALVADOR CASTILLO CARMEN
• US 3770221 A 19731106 - STERN M
• US 3706421 A 19721219 - POPHAM ORVILLE G
• US 2765595 A 19561009 - BONKOWSKI TEOFIL L
• US 3567146 A 19710302 - ARENSON HERBERT
• US 4353511 A 19821012 - SHIMIZU MASAHIRO
• DE 3212879 A1 19831013 - SCHWENDEMANN CARL WERNER [DE]

Cited by
CN102942078A; FR2815949A1

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

DOCDB simple family (publication)
EP 0223938 A1 19870603; **EP 0223938 B1 19891213**; AT E48555 T1 19891215; DE 3534172 A1 19870326; DE 3667420 D1 19900118; DK 458186 A 19870326; DK 458186 D0 19860925; FI 84901 B 19911031; FI 84901 C 19920210; FI 863696 A0 19860912; FI 863696 A 19870326; NO 160694 B 19890213; NO 160694 C 19890524; NO 863523 D0 19860903; NO 863523 L 19870326

DOCDB simple family (application)
EP 86112088 A 19860902; AT 86112088 T 19860902; DE 3534172 A 19850925; DE 3667420 T 19860902; DK 458186 A 19860925; FI 863696 A 19860912; NO 863523 A 19860903