

Title (en)
PRESSURE BEAM FOR BELT SANDER

Publication
EP 0389914 B1 19930609 (DE)

Application
EP 90105162 A 19900319

Priority
DE 8903949 U 19890331

Abstract (en)
[origin: US5016400A] A pressure for a belt grinding machine includes an elongated carrier with a base plate facing the grinding belt and having a plurality of bores arranged in a matrix, a plurality bolt shaped pressure members supported in the bores for free axial movement and which are adapted to engage the grinding belt with their free ends and which with their other ends are urged toward the grinding belt by a hose inflatable by a pressure fluid. The hose is surrounded by a plurality of frame shaped pressure shoes arranged next to one another in the longitudinal direction of the carrier, each of which pressure shoes is adjustable vertically relative to the base plate by a positioning device. The pressure shoes each have a frame side facing the base plate provided with bores registering with the base plate bores for receiving the pressure members, and inside of each pressure shoe and between the hose and the adjacent ends of the pressure members is a flexible pressure distribution element having a higher stiffness than that of the hose material.

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B24B 21/08

IPC 8 full level
B24B 21/08 (2006.01)

CPC (source: EP US)
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Citation (examination)
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Cited by
DE19714672C1; DE10065531A1; US7241207B2

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