

Title (en)

DEVICE FOR DAMPING VIBRATIONS IN A PART-FACE CUTTING MACHINES

Title (de)

EINRICHTUNG ZUM DÄMPFEN VON SCHWINGUNGEN VON TEILSCHNITTSCHRÄMMASCHINEN

Title (fr)

DISPOSITIF DESTINE A AMORTIR LES VIBRATIONS DE HAVEUSES DE TAILLE PARTIELLE

Publication

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Application

**EP 97945654 A 19971120**

Priority

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Abstract (en)

[origin: WO9825007A1] The invention relates to a device for damping vibrations in part-face cutting machines (1), comprising an extension arm (3) pivoting round two axes (5, 9) with cutting tools (7) rotationally fitted thereon. Said device has a hydraulic regulating drive mechanism (6) which is impinged upon by fluid via a valve arrangement. Sensors (13 or 14) are provided in order to detect vibrations, accelerations, load and/or position of the cutting arm (3) and which trigger a corresponding compensation of the regulating drive mechanism formed by the hydraulic cylinder piston units (6) by means of a control device (16). The position of the extension arm (3) is thus kept basically constant round the vertical rotational axis (9) when the swing gear swivels.

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