

Title (en)

Sheet cutting apparatus

Title (de)

Vorrichtung zum Schneiden von blattförmigem Gut

Title (fr)

Dispositif pour la coupe de matériaux en feuille

Publication

**EP 0780198 B1 20020116 (EN)**

Application

**EP 96120481 A 19961219**

Priority

JP 33467595 A 19951222

Abstract (en)

[origin: EP0780198A1] A sheet cutting apparatus is composed of a guide rail (21c) extending in a predetermined direction, a fixed blade (22) arranged in parallel with the guide rail (21c), a rotary blade (27) for rotating in contact with the fixed blade (22), a blade carriage (24) for rotatably supporting the rotary blade (27) and moving along the guide rail (21c), together with the rotary blade (27), and a driving mechanism (25, 30, 31) for driving the blade carriage (24) and the rotary blade (27) to cut a sheet supplied to the fixed blade (22). Particularly, the driving mechanism includes a single spherical rolling element (30) for rotating in contact with the guide rail (21c) and the rotary blade (27), and a rolling element supporting member (31) for supporting the spherical rolling element (30) within a space where the spherical rolling element (30) pushes a point of a rotary blade (27) plane except for a first straight line which extends in the predetermined direction through a center of the rotary blade (27) and a second straight line which extends in a direction perpendicular to the first straight line through the center of the rotary blade (27). <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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Cited by

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**EP 0780198 A1 19970625**; **EP 0780198 B1 20020116**; DE 69618555 D1 20020221; DE 69618555 T2 20021121; JP H09174485 A 19970708; MY 118761 A 20050131

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