

Title (en)
CUTTING APPARATUS FOR PIPES MADE OF PLASTICS

Title (de)
SCHNEIDVORRICHTUNG FÜR ROHRE AUS KUNSTSTOFF

Title (fr)
APPAREIL DE COUPE POUR TUYAUX EN PLASTIQUE

Publication
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Application
EP 20726229 A 20200319

Priority
• IT 201900004677 A 20190328
• IB 2020052525 W 20200319

Abstract (en)
[origin: WO2020194142A1] A cutting apparatus (1) for making cuts on plastic pipes comprises a supporting disk (2) rotatable about a rotation axis (Z); at least one cutting tool (11) supported by the supporting disk (2) via first support means (12) and movable at least towards the rotation axis (Z) for abutting and cut a side wall (100a) of the pipe (100); an adjustment disk (3) rotatable with the supporting disk (2) and having with respect to the latter a respective adjustable angular position about the rotation axis (Z), the adjustment disk (3) being provided with first moving means (15) for moving the cutting tool (11) towards the rotation axis (Z) when an angular position of the adjustment disk (3) with respect to the supporting disk (2) is changed; driving means (5) for rotating the supporting disk (2) and the adjustment disk (3) about the rotation axis (Z) with the same speed and comprising a first driving pulley (51), rotating the supporting disk (2) by a first belt (53), and a second driving pulley (52), rotating the adjustment disk (3) by a second belt (54); adjustment means (6) for changing the angular position of the adjustment disk (3) with respect to the supporting disk (2) and comprising a couple of adjustment pulleys (7) engaged by the second belt (54) and eccentrically fixed to a mobile adjustment carriage (8) so as to be movable with the adjustment carriage (8) along an adjustment direction (R) for moving a branch (54a) of the second belt (54) and changing the angular position of the adjustment disk (3) and to eccentrically rotate when moved by the second belt (54) and generate an oscillating component in the rotation motion of the adjustment disk (3) so as to move the cutting tool (11) with a linear reciprocating motion when moved by the first movement means (15) towards the rotation axis (Z).

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