

Title (en)

Automatic machine for the production of gaskets

Title (de)

Automatische Vorrichtung zum Herstellen von Dichtungen

Title (fr)

Machine automatique pour la fabrication de joints

Publication

EP 0707906 B1 20010124 (EN)

Application

EP 94203075 A 19941022

Priority

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Abstract (en)

[origin: EP0707906A1] An automatic machine for the production of gaskets (5) obtained by spiral winding of tapes (41, 51) of different physical and mechanical characteristics on a supporting ring (11), comprising means (13, 10) for feeding such supporting rings (11) to a mandrel (3), a unit (20) exerting radial pressure on such supporting rings (11), a unit (30) for welding one of such tapes (41) to ring (11), a unit (40) for feeding a tape (41) of high mechanical strength, a unit (50) for feeding a second tape (51) of sealing material and a unit (70) for controlling and synchronizing the feed to mandrel (3) of backing (41) and sealing (51) tapes interposed between respective feed units (40) and (50), there being furthermore provided means for the relative movement of feed unit (50) with respect to synchronizing unit (70) in a direction (Z-Z) transversal to direction (Y-Y) of feed of tapes (41, 51) to mandrel (3), as well as means for moving synchronizing unit (70) in a direction (X-X) normal to the other two directions (Y-Y; Z-Z) for the alignment of direction (Y-Y) of feed of tapes (41, 51) at a tangent to the preset circumference of the gasket, and means (81, 83) for maintaining such alignment as the outside diameter of the gasket increases. <IMAGE>

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CPC (source: EP)

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Cited by

EP2554324A1; CN102107357A; CN110203738A; CN1106517C; EP0943848A3; US2013032579A1; ITMI20111497A1; US9346133B2; KR101273079B1; CN107866500A; EP3323522A1; IT201600095770A1; US10207311B2; WO2019234577A1

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