

Title (en)

METHOD AND APPARATUS FOR PRODUCING AN RF CURED HOSE, AND THE HOSE SO PRODUCED

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINES HF-AUSGEHÄRTETEN SCHLAUCHS UND SO HERGESTELLTER SCHLAUCH

Title (fr)

PROCEDE ET APPAREIL PERMETTANT DE PRODUIRE UN TUYAU FLEXIBLE DURCI PAR RF ET TUYAU FLEXIBLE AINSI PRODUIT

Publication

**EP 1676071 A1 20060705 (EN)**

Application

**EP 04786632 A 20040920**

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Abstract (en)

[origin: WO2005031206A1] An apparatus for making a hose including a weaving machine and a liner feeder for forming the hose by weaving a jacket about a liner as the liner is being fed into the weaving machine, where the liner is provided with an adhesive layer on an outer surface, the adhesive layer being doped with a radiation absorbing element. The apparatus includes a feeder for receiving and for flattening the hose and an oven located downstream from the feeder, including a bore through which the hose passes, the oven including a module for applying radiation to the hose so that the radiation absorbing element heats following the application of radiation for bonding the liner to the jacket. A winder is located downstream at a predetermined distance away from the oven for pulling and winding the hose and provided with a pressurizer for internally pressurizing a portion of the hose located between the winder and the feeder so that when the hose is in the oven, the pressurizer forces the liner against the jacket. A controller is provided for controlling the various elements of the apparatus. Also disclosed is a method for curing a hose and the hose so obtained.

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