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New Pyrolyx method patented in Germany

Globally unique: Breakthrough for Pyrolyx with additional technology patent

Munich, October 19, 2015

Pyrolyx AG, one of the world's most innovative manufacturers of recovered carbon black (rCB) from scrap tires, has announced another patent award.

The new patent granted in Germany covers the direct introduction of rCB into the conventional manufacturing of furnace carbon black. A desired percentage of Pyrolyx rCB is added during the production process.

As tests have shown, the resulting homogeneous mixture can be directly employed to make new tires.

Thanks to the Munich-based company's patented process, the quantity of fossil fuels (feedstock oil) used for the conventional production of carbon black can be reduced by up to 50%. Moreover, the energy costs of the post treatment of rCB are clearly reduced, increasing the efficiency of the rCB manufacturing process.

In the medium to long term, the Pyrolyx technology could substantially increase the already successful use of recovered carbon black in the tire and rubber industry.

Pyrolyx AG

The Pyrolyx Group is the world leader in the extraction of rCB (recovered carbon black) from end-of-life tires. Conditioned rCB is used to manufacture new tires as well as in the plastic and technical rubber industries.

The Pyrolyx Group's eco-friendly technology provides an answer to the problem of how to dispose of and recycle the world's growing volume of disused tires. Compared to the conventional production of carbon black, the Pyrolyx method enables CO₂ emissions to be reduced by up to 2.5 tonnes per tonne of CB. Pyrolyx AG's manufacturing operations take place within a closed recycling loop for the tire industry. Byproducts arising during production are reused either as fuel in the manufacturing process or to make other products, ensuring that nothing goes to waste.

In 2015, Pyrolyx AG acquired cct Stegelitz GmbH in its entirety. Pyrolyx is now increasing manufacturing capacity at the site in Saxony Anhalt where cct GmbH has been producing rCB in a batch process since 2012. The acquisition makes the Pyrolyx Group the only company in the world to offer both continuous and batch production, meaning it can serve all addressable carbon black markets. Production in Stegelitz is ISO 9001:2008 and ISO 14001:2004 certified.

Pyrolyx owns all the intellectual property rights to Pyrolyx environmental technology and has various patents concerning the industrial production of carbon black. Pyrolyx AG is quoted on the Düsseldorf Stock Exchange (WKN A0MFXR).

For more information, please go to www.pyrolyx.com and www.carbon-clean-tech.com

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