

Title (en)
ENVIRONMENTALLY FRIENDLY LUBRICATING GREASE FOR STEEL ROPES

Title (de)
UMWELTVERTRÄGLICHES SCHMIERFETT FÜR STAHLSEILE

Title (fr)
GRAISSE LUBRIFIANTE ÉCOLOGIQUE DESTINÉE À DES CÂBLES EN ACIER

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Abstract (en)
[origin: WO2020011758A1] The invention relates to an environmentally friendly lubricating grease for steel ropes, in particular zinc-plated steel ropes, comprising: 50 wt.% to 90 wt.% of a biodegradable base stock, in particular of a biodegradable ester as the base stock, b) 3 wt.% to 25 wt.% and/or 7 wt.% to 20 wt.% of a thickening agent selected from b1) 3 wt.% to 12 wt.% biodegradable calcium soap, b2) 3 wt.% to 25 wt.% and/or 3.5 wt.% to 20 wt.% and/or 4 wt.% to 12 wt.% bentonite, b3) and mixtures thereof, c) 4 wt.% to 40 wt.%, preferably 7 wt.% to 40 wt.% additives, comprising c1) 1 wt.% to 12 wt.% and/or 4 wt.% to 12 wt.% pyrogenic silicon dioxide and/or polytetrafluoroethylene and mixtures thereof, c2) 2 wt.% to 45 wt.% and/or 2 wt.% to 25 wt.% of a polymer selected from polyisobutylene, polyisobutylene-/butene copolymer, polymethacrylates, polyesters, preferably complex esters, in particular complex esters of neopentylglycol/dimeric acid/2-ethylhexanol and mixtures thereof, and c3) 0.5 wt.% to 20 wt.% and/or 1 wt.% to 10 wt.% of a solid lubricant.

IPC 8 full level
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