

Title (en)
Water soluble salt precoat for wire drawing.

Title (de)
Wasserlösliche Salzüberzüge zum Drahtziehen.

Title (fr)
Revêtements de sel soluble dans l'eau pour tréfiler.

Publication
EP 0382155 A1 19900816 (EN)

Application
EP 90102275 A 19900206

Priority
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Abstract (en)
A composition for coating steel wire to facilitate the cold drawing thereof, said composition comprising: (A) from about 50 to about 99.99 % by weight of a component selected from the group consisting of Na₂SO₄, K₂SO₄, and mixtures thereof; (B) from about 0 to about 49.99 % by weight of a component selected from the group consisting of Na₂B₄O₇, NaBO₂, K₂B₄O₇, KBO₂ and mixtures of any two or more thereof; and (C) from about 0.01 to about 5 % by weight of a component selected from the group consisting of potassium soaps, sodium soaps, and ammonium soaps; wherein the percentages by weight are based on the total weight of components A, B, and C in the composition, and wherein not more than 50 % by weight of the total of sodium plus potassium plus ammonium ions in components A, B, and C of the composition consists of sodium ions.

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• [Y] US 2957825 A 19601025 - HENRICKS JOHN A
• [Y] GB 2003923 A 19790321 - FOSECO INT

Cited by
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