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International Trade in Cement Import Statistics for Countries Whose Imports Exceeded 200,000 in Value and Export Statistics for Countries Whose Expo

By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 28 pages. Original publisher: Golden, Colo. : National Renewable Energy Laboratory, 2008 OCLC Number: (OCoLC)316339870 Subject: Photovoltaic cells -- Research. Excerpt: . . . B5. Crack Elongation In Figure B8, we show a variation of the RUV f-scan of the resonance vibration peak at 41.4 kHz (non-cracked wafer) caused by the 16-mm crack located on the wafers corner and the same wafer with the crack elongated up to 34 mm. The data are presented for 125 mm x 125 mm Cz-Si wafer (27a) with 220-micron thickness. This is the very first experimental justification on a gradual variation of the RUV peak parameters with crack length performed on the same Si wafer. For this study, we used a specially designed experimental apparatus that allowed the wafer with initial seed crack to be bent with constant computer-controlled bending speed and bending amplitude. The wafer was positioned in a clamping device with a single corner exposed. The device was clamped along a 45-degree angle relating to a crystallographic 110 direction. The alignment was achieved using a previously cleaved Cz-Si dummy wafer. With the wafer clamped in...



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